

# What does a robot see?

Spot the mistake





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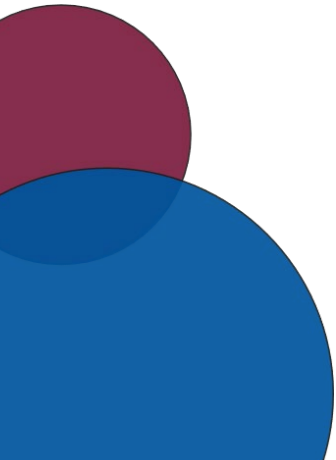








- **Would this confuse a child?**
- **If you saw this online, would you trust it?**



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# Thank you for your attention!

 Digital  
Upbringing



# Human or Machine

Can you guess?



# The Lost Cat

## Text A

Luna, a curious black cat, slipped out through the garden gate one stormy night. She wandered the dark streets, chasing leaves and avoiding puddles, until she found shelter under an old bakery. In the morning, the smell of warm bread lured her inside—and the baker, an old woman who missed her own cat, gently picked Luna up. By evening, Luna was home again—with a fresh loaf of bread for her family.

## Text B

One day, a black cat named Luna left the house. It was raining. She walked through the city. Then she saw a bakery. She went inside. The baker saw her. He gave her bread. Then she went back home.

# The Lost Cat

## Text A

Luna, a curious black cat, slipped out through the garden gate one stormy night. She wandered the dark streets, chasing leaves and avoiding puddles, until she found shelter under an old bakery. In the morning, the smell of warm bread lured her inside—and the baker, an old woman who missed her own cat, gently picked Luna up. By evening, Luna was home again—with a fresh loaf of bread for her family.

Human (teen, 14)

## Text B

One day, a black cat named Luna left the house. It was raining. She walked through the city. Then she saw a bakery. She went inside. The baker saw her. He gave her bread. Then she went back home.

ChatGPT (prompt: "Write a story about a cat getting lost in simple language for kids")

# A Perfect Morning

## Text A

A perfect morning starts with quiet. The air smells fresh, and light peeks through the curtains like a gentle invitation. I hear the coffee machine start—its rhythm comforting. My dog stretches by my feet, and for a few moments, everything feels calm and just right.

## Text B

A perfect morning is when the weather is good, and people wake up feeling refreshed. The sun is out, the sky is blue, and there are no loud noises. It is a good time to have breakfast or go for a walk. Many people enjoy mornings because they are peaceful.

# A Perfect Morning

## Text A

A perfect morning starts with quiet. The air smells fresh, and light peeks through the curtains like a gentle invitation. I hear the coffee machine start—its rhythm comforting. My dog stretches by my feet, and for a few moments, everything feels calm and just right.

Human (parent, 42)

## Text B

A perfect morning is when the weather is good, and people wake up feeling refreshed. The sun is out, the sky is blue, and there are no loud noises. It is a good time to have breakfast or go for a walk. Many people enjoy mornings because they are peaceful.

ChatGPT (prompt: "Describe a peaceful morning")

# Should Kids Have Phone?

## Text A

I think kids should have phones, but only with limits. Phones are helpful if you need to call your parents, or use maps or translation apps. But too much screen time can hurt sleep or make people ignore each other. Parents and kids should agree on clear rules—like no phones at dinner or before bed.

## Text B

I didn't have a phone until I was 13, and it was honestly great. I spent more time outside and talked more to my family. When I finally got one, I already had good habits. I think phones are useful but addictive, and kids should first learn how to live without them

# Should Kids Have Phone?

## Text A **ChatGPT (prompt: “Write a balanced opinion text about kids and smartphones”)**

I think kids should have phones, but only with limits. Phones are helpful if you need to call your parents, or use maps or translation apps. But too much screen time can hurt sleep or make people ignore each other. Parents and kids should agree on clear rules—like no phones at dinner or before bed.

## Text B

I didn't have a phone until I was 13, and it was honestly great. I spent more time outside and talked more to my family. When I finally got one, I already had good habits. I think phones are useful but addictive, and kids should first learn how to live without them

# Common AI writing characteristics

- **Balanced, neutral tone** – reads very “polite” or slightly robotic, with no strong emotions.
- **Predictable structure** – neatly organised intro → middle → conclusion, often without variation.
- **Repetition of transition words** – phrases like “Firstly,” “In conclusion,” “Overall” appear often.
- **Limited personal or local details** – no mention of specific people, places, or lived experiences.
- **Overuse of buzzwords or vague verbs** – e.g., “enhance,” “utilise,” “ensure”.
- **Use of metaphors or similes** – comparisons like “as bright as the sun” or “like a well-oiled machine”.
- **Unnecessary complexity** – overly long sentences or fancy words for simple ideas.

# AI Pattern Hunt

## Text A

On Sunday mornings, our family gathers in the kitchen for a warm and cheerful breakfast. We usually start by brewing fresh coffee and making toast. The smell of scrambled eggs fills the air while everyone chats about the week. After we eat, we clean up together and sometimes plan a walk in the park. It's a simple tradition, but it brings us closer as a family.

## Text B

Sunday mornings in our house are calm and joyful. The day begins with the sound of the kettle boiling and the scent of pancakes cooking. My parents set the table while my siblings pour orange juice into glasses. We enjoy our meal together, talking about school, work, and weekend plans. Sharing breakfast makes us feel connected and happy.

## Text C

Every Sunday morning, we gather around the table for a family breakfast. We usually have cereal, toast, or sometimes pancakes. Laughter fills the room as we share stories from the past week. After eating, we wash the dishes and decide what to do for the rest of the day. This routine helps us spend quality time together.

## Text D

Our Sunday mornings begin slowly, with everyone waking up at different times. Eventually, we meet in the kitchen for breakfast. There might be eggs, toast, and fresh fruit. We talk about what we will do later in the day and enjoy being together. Even if the meal is simple, it feels special because we are all there.

AI is getting better every day. With the right prompt, its work can be almost impossible to tell apart from a human's

# Last Reminder

# Thank you for your attention!



HUMAN (GREEN) OR MACHINE (RED) VOTING CARDS



# AI Fingerprints Detection Worksheet

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Step 1 – Read all 4 AI texts carefully.**

**Step 2 – Highlight examples of these “AI fingerprints”:**  
**Step 3 – Which one feels most human? Why?**

AI Fingerprint	Example in Text
Balanced, neutral tone	_____
Predictable structure (intro–middle–end)	_____
Repetition of transition words	_____
Limited personal/local details	_____
Overuse of buzzwords/vague verbs	_____
Metaphors and similes	_____
Unnecessary complexity	_____
	_____
	_____
	_____
	_____

**Step 4 – Your “Top 3 AI Clues”**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

## ANSWER KEY

### **PART 1 – AI Fingerprint Marking**

#### **Example 1 – *Cat Story***

##### **AI text:**

One day, a black cat named Luna left the house. It was raining. She walked through the city. Then she saw a bakery. She went inside. The baker saw her. He gave her bread. Then she went back home.

##### **AI fingerprints spotted:**

- **Predictable structure / overly simple sequence** – repetitive “Then...” structure; short, uniform sentences.
- **Balanced, neutral tone** – factual reporting, no emotional colour or tension.
- **Limited personal/local details** – generic “bakery”, “bread”; no names of places or unique description.
- **Overuse of vague verbs** – “went”, “saw”, “gave” with no variation.

**Human text comparison:** Richer imagery (“stormy night”, “smell of warm bread”), specific sensory detail, emotional connection with the baker.

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#### **Example 2 – *Perfect Morning***

##### **AI text:**

A perfect morning is when the weather is good, and people wake up feeling refreshed. The sun is out, the sky is blue, and there are no loud noises. It is a good time to have breakfast or go for a walk. Many people enjoy mornings because they are peaceful.

##### **AI fingerprints spotted:**

- **Balanced, neutral tone** – generic pleasantness, no unique emotional voice.
- **Predictable structure** – each sentence describes one feature, all positive, no surprise or change.
- **Limited personal/local details** – “weather is good”, “sky is blue” could apply anywhere.
- **Buzzwords / vague verbs** – “feeling refreshed”, “enjoy mornings”.
- **Unnecessary simplicity bordering on robotic** – reads like a list of obvious statements.

**Human text comparison:** Includes personal sensory details (“light peeks through the curtains”, “coffee machine rhythm”), a pet, and emotional atmosphere.

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#### **Example 3 – *Kids & Phones***

##### **AI text:**

I think kids should have phones, but only with limits. Phones are helpful if you need to call your parents, or use maps or translation apps. But too much screen time can hurt sleep or make people ignore each other. Parents and kids should agree on clear rules—like no phones at dinner or before bed.

**AI fingerprints spotted:**

- **Balanced, neutral tone** – avoids strong stance; lists pros and cons evenly.
- **Predictable structure** – clear intro → benefits → drawbacks → conclusion with rules.
- **Buzzwords / vague verbs** – “helpful”, “hurt sleep”, “agree on clear rules”.
- **Limited personal detail** – no lived experience or specific anecdote.

**Human text comparison:** Speaks from experience (“I didn’t have a phone until I was 13... talked more to my family... good habits”), emotional stance (“useful but addictive”), and personal timeline.

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## **PART 2 – AI Fingerprints Worksheet Filled**

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### **Text A**

Firstly, our Sunday morning begins with the comforting aroma of freshly brewed coffee drifting through the air. The kitchen, bathed in golden sunlight, becomes the heart of the home as toast pops from the toaster like a well-rehearsed performance. In conclusion, these tranquil moments of togetherness provide a foundation for the week ahead, ensuring that our family bond remains strong.

**Fingerprints:**

- **Balanced, neutral tone** – warm but formal; no quirks or surprises.
- **Predictable structure** – intro → imagery → conclusion.
- **Repetition of transition words** – “Firstly”, “In conclusion”.
- **Metaphors/similes** – “like a well-rehearsed performance”.
- **Buzzwords** – “foundation for the week ahead”, “family bond remains strong”.
- **Unnecessary complexity** – long sentences with layered phrases.

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### **Text B**

On Sunday mornings, our family enjoys a balanced and harmonious breakfast experience. We typically gather around the neatly set dining table, engaging in pleasant conversation while consuming a variety of nutritious options such as eggs, wholegrain toast, and seasonal fruit. Overall, this ritual symbolises our commitment to wellness and shared values.

**Fingerprints:**

- **Balanced, neutral tone** – formal and slightly detached.
- **Predictable structure** – setting → activity → moral conclusion.
- **Buzzwords** – “balanced”, “harmonious”, “commitment to wellness”, “shared values”.

- **Limited personal/local details** – generic “seasonal fruit”, “neatly set dining table”.
  - **Unnecessary complexity** – long noun phrases (“balanced and harmonious breakfast experience”).
- 

### Text C

Sunday mornings are like a well-oiled machine, flowing smoothly from the moment the kettle whistles to the final sip of tea. Initially, each family member participates in preparing the meal, ensuring that every plate is presented with care. By the end, the kitchen is filled with satisfied smiles, as if joy itself had been served alongside the food.

#### Fingerprints:

- **Metaphors/similes** – “like a well-oiled machine”, “as if joy itself had been served”.
  - **Predictable structure** – metaphor intro → preparation → conclusion with feeling.
  - **Balanced, neutral tone** – polite, idealised.
  - **Limited personal/local details** – no specific foods, names, or events unique to one family.
  - **Buzzwords** – “presented with care”, “satisfied smiles”.
- 

### Text D

Every Sunday, our family follows a predictable pattern that fosters comfort and stability. Firstly, the table is arranged with plates, cutlery, and a colourful array of food items. Subsequently, light conversation fills the air, interspersed with laughter. In conclusion, this consistent routine is a gentle reminder of the importance of unity.

#### Fingerprints:

- **Balanced, neutral tone** – calm, formal phrasing.
- **Predictable structure** – intro → steps → moral.
- **Repetition of transition words** – “Firstly”, “Subsequently”, “In conclusion”.
- **Buzzwords** – “comfort and stability”, “gentle reminder”, “importance of unity”.
- **Limited personal/local details** – generic “colourful array of food items”.

### LAST REMINDER

Before we finish, I want to remind you of something important: AI technology is evolving quickly, and its writing is becoming more and more sophisticated. This means it will get harder to tell whether a text was created by a human or by an AI.

If the prompt — the instructions given to the AI — is clear and well thought out, the result can be so polished that it becomes very difficult to spot the difference. That’s why practising these skills now is essential. Learning to read critically, ask questions, and look for context will help us — and our children — navigate a future where AI-generated content is everywhere.

# Think Like a Computer

Why giving simple instructions can be surprisingly hard!



# What Is an Algorithm?

- An algorithm is a list of instructions you follow to complete a task.
- Computers need very clear, step-by-step instructions —no guessing allowed!



# Computers vs. Humans

## Humans

Can guess, assume, or correct mistakes when given instructions.

## Computers

Do exactly what you tell them, without making assumptions.

Example: If a human hears "put cereal in a bowl" they open the box first.

But a computer might pour the whole bottle, box and all into the bowl!

# Why Sequencing Matters

The Right Order Makes All the Difference!



1. Put milk in bowl
2. Get the bowl
3. Sit down



## Correct Sequence

1. Get the bowl
2. Pour cereal
3. Add milk
4. Sit down

Which one would work better?

# What Is Debugging?

Debugging means finding and fixing mistakes in your instructions (your "code").

## Original Code

"Get spoon. Eat."

## Problem Identified

"Eat what? Where is the food?"

## Debugged Code

"Get bowl → pour cereal → get spoon → eat cereal."



# Let's Debugged our Breakfast Code!

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## Identify Bugs

Missing or silly steps will show how the "code" breaks!

## Fix Together

Work as a team to improve the instructions.

This introduces logic, testing, and revision just like in real programming.

# What We Learn from This



- ☐ Computers need clear, ordered, specific instructions.
- ☐ Algorithms are everywhere (in apps, recipes, routines).
- ☐ Debugging is a normal part of learning!

Coding is not about being perfect – it's about solving problems step by step.

# Why This Matters

Learning to "think like a coder" helps:

- Improve communication
- Practice logic and focus
- Understand the tools we use every day

You don't need screens  
to build coding habits!



# Challenge: Try It at Home!

Try writing or drawing step -by-step instructions for:

## Making a Sandwich

List every step from gathering ingredients to cleanup.



## Brushing Teeth

Break down this daily routine into precise steps.



## Feeding a Pet

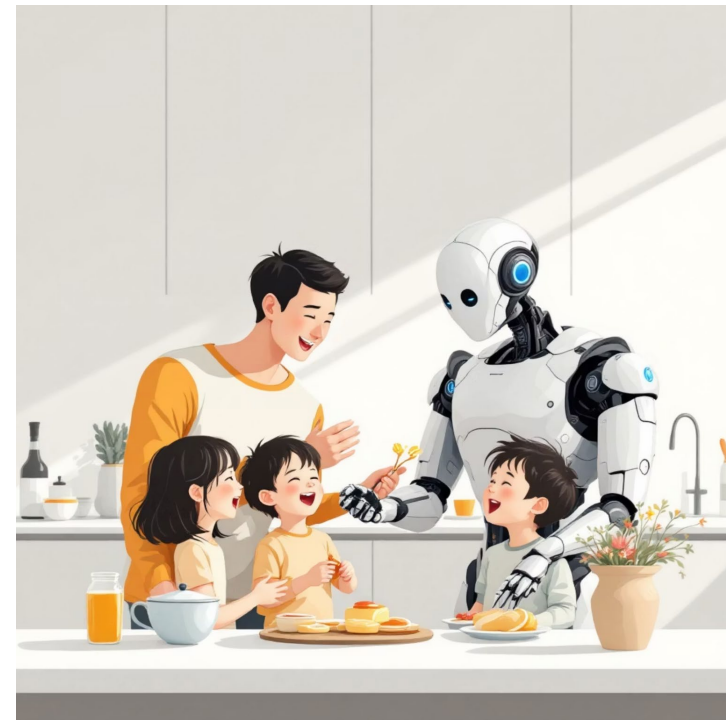
Detail the process from start to finish.

Can you "debug" each other's code?



# Learning Through Play

- Algorithms are step-by-step instructions
- Computers follow instructions literally
- Debugging helps us improve our thinking
- These skills transfer to everyday life



# Thank you for your attention!

 Digital  
Upbringing



# Duolingo Challenge

Learn & Play Together



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# Duolingo Challenge: Learn & Play Together

## Introducing Duolingo



# Duolingo Challenge: Learn & Play Together

## Discovering Duolingo as a Family Learning Tool

- Duolingo is a free language-learning app that uses games, streaks, and levels to help you learn over 40 languages.
- You can use it on a phone, tablet, or computer — and it's perfect for kids, teens, and adults.



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# Duolingo Challenge: Learn & Play Together

## Great for:

- Practicing vocabulary, listening and speaking
- Short, daily learning moments (5-10minutes)
- Learning with fun animations and rewards



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# Duolingo Challenge: Learn & Play Together

- You can learn together with your child — and compare your progress!
- Create separate profiles or learn side by side.
- Parents can see streaks, XP (points), and progress.



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# Duolingo Challenge: Learn & Play Together

## What Makes It Engaging?

- XP = Experience Points
- Streak = Days in a row learning
- Crowns = Lesson mastery
- Mini challenges, friendly competition, badges



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**Kids feel like they're playing,  
but they're learning!**

# Duolingo Challenge: Learn & Play Together

## What Can You Learn?

- Vocabulary
- Listening & pronunciation
- Basic grammar
- Cultural phrases
- (Bonus: Reading, writing & speaking depending on language)



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**Languages include: English,  
Spanish, French, German, Japanese,  
etc.**

# Duolingo Challenge: Learn & Play Together

## Safe & Age-Friendly?

- Duolingo is safe and family-friendly
- You can turn off comments & leaderboards in child accounts
- No personal data is needed to start
- Great for ages **6 and up**



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# Duolingo Challenge: Learn & Play Together

## What About Duolingo Kids?

- A special app for children aged 4–8
- Focused on audio, simple vocabulary, bright animations
- Works without reading skills
- Ideal for co-use with a parent or older sibling



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**Free on iOS & Android**

# Duolingo Challenge: Learn & Play Together

## Let's Try It!




- **Choose a Language:** Pick any language you want to explore together.
- **Start a Lesson:** Complete 1–2 short Duolingo lessons.
- Complete the **Mini Challenge** below (based on age)



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# Duolingo Challenge: Learn & Play Together

Ages 0–6 (with parent help)




-  Listen to the sounds and repeat them aloud.
-  Draw a picture of one new word you heard.
-  Say it out loud together!



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# Duolingo Challenge: Learn & Play Together

Ages 7–12

-  Complete your first lesson.
-  Write or draw 2–3 words you learned.
-  Teach your parent one word!



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# Duolingo Challenge: Learn & Play Together

Ages 13–16

- ⚡ Try a timed challenge or daily goal.
- ✍️ Write down one thing you found easy and one thing that was hard.
- 🤔 Discuss: Is this app fun or frustrating? Why?



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# Duolingo Challenge: Learn & Play Together

## Reflection & Sharing

- What did you like?
- What was tricky?
- Would you use Duolingo at home?
- What new word did you learn?



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# Thank you for your attention!

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