



Reflection on Learning

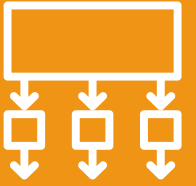
Exercise: AI history, Weak AI, General AI

Exercise instructions

- Make a note of all your responses to each question
- Type your answers on a Microsoft Word document
- Save the Word doc file naming the file: 8 Exercise Reflection
- Check your answers and reflect upon all the learning so far



Q1: Which of these is an example of "Artificial Narrow Intelligence" (ANI)?



A

A) A robot that can clean a house, cook dinner, and teach you French.

B

B) A face-recognition system used to unlock a smartphone.

C

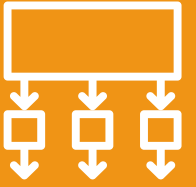
C) A computer that understands human emotions and has its own personality.

D

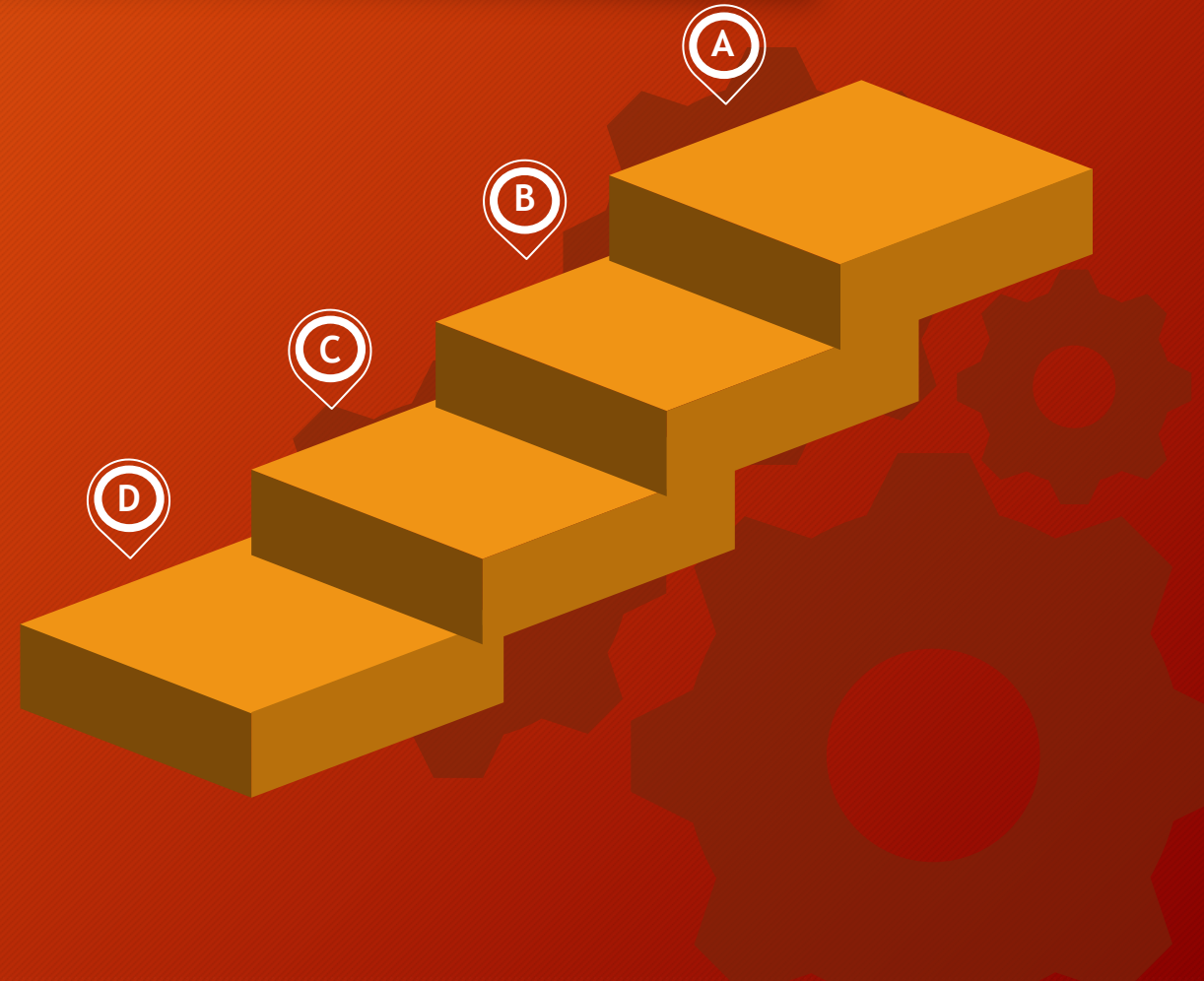
D) A digital brain that can learn any task a human can.



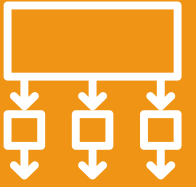
Q2: What does the acronym "GPU" stand for in the context of AI hardware?



- A) General Processing Unit
- B) Global Power User
- C) Graphics Processing Unit
- D) General Purpose Utility



Q3: Who is famously considered the "Father of Computer Science" and proposed a test for machine intelligence in 1950?



A

A) Charles Babbage

B

B) Alan Turing

C

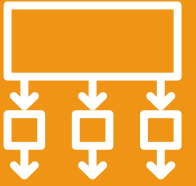
C) John McCarthy

D

D) Ada Lovelace



Q4: What happened during the "AI Winters"?



A

A) AI was used to predict global weather patterns.

B

B) Interest and funding for AI research dropped because the technology couldn't meet the hype.

C

C) Computers became so powerful they had to be kept in cold rooms.

D

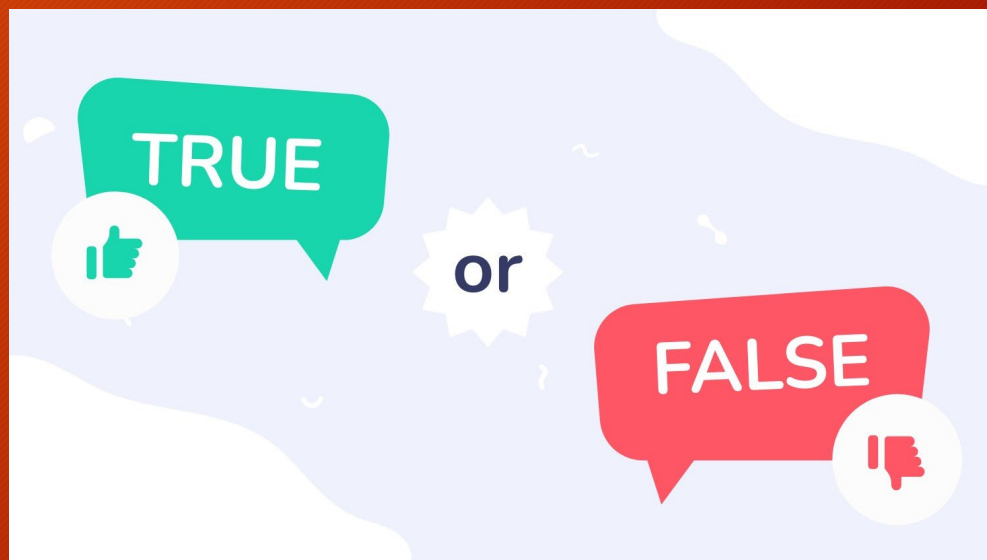
D) AI was banned by world governments for 10 years.





Q5: True or False

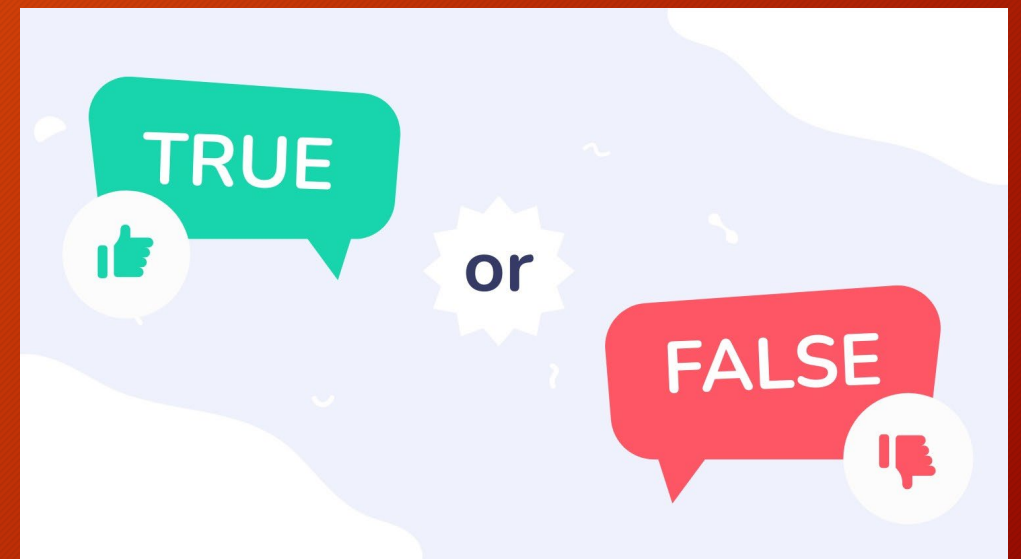
Generative AI (like ChatGPT) is currently considered a form of Artificial General Intelligence (AGI).





Q6: True or False

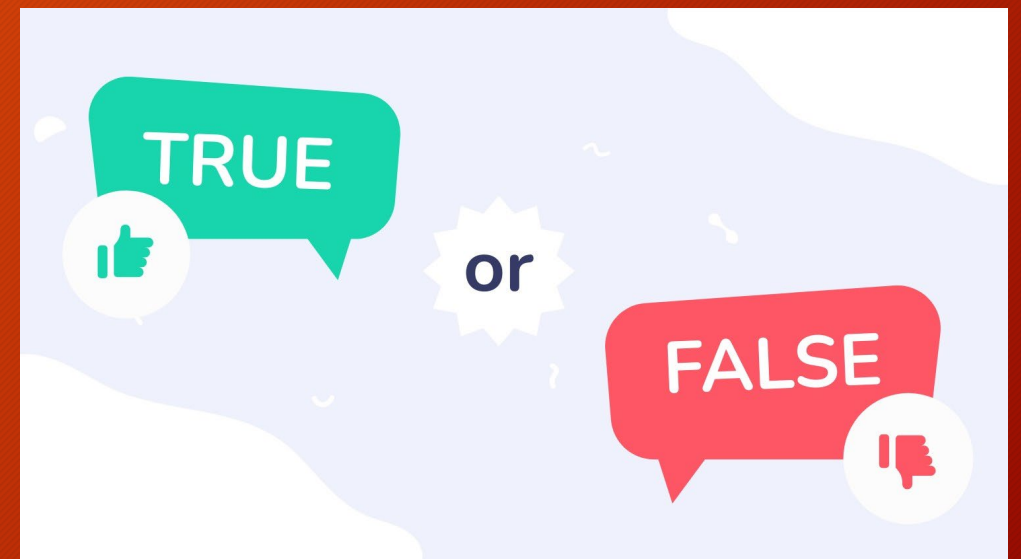
Ada Lovelace wrote the first program for Babbage's Analytical Engine.





Q7: True or False

Narrow AI is sometimes called "Weak AI" because it can only do one specific thing.





Q8: Short Answer Challenge

The Coffee Test: Describe Steve Wozniak's "Coffee Test." Why would a modern chatbot like ChatGPT fail this test even if it can tell you *how* to make coffee?





Q9: Short Answer Challenge

Hardware vs. Software: Explain why the **GPU** was so important for the development of modern "Machine Learning."

A photograph of a hand holding a blue marker, writing the word "CHALLENGE" in large, blue, capital letters on a white surface. A horizontal blue line is drawn underneath the word. The background of the entire slide is orange with a pattern of faint, overlapping gears.

CHALLENGE



Q10: Short Answer Challenge

"Rules vs. Patterns": In the early days of AI, scientists tried to "hand-code" every rule for a computer to follow (e.g., "If it has a tail and barks, it is a dog"). Today, we use **Machine Learning**. Explain the main difference between these two approaches and why the modern way is more successful for complex tasks like identifying animals in photos.



Total up and try again if not 10/10

Add up the total questions answered correctly and try again with a classmate or team of classmates.

Your lecturer may test the class in team groups and provide the answers at the end.

