# EXERCISE: MCQ

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# MULTIPLE CHOICE EXERCISE

- The exercise is a ‘Multiple Choice’ quiz.
- Using a Microsoft Word document, list numbers 1 through to 8 inclusive, ready to place your answer next to it
- Select the single best answer for each question
- For example: if there had been 10 questions and the answer from A, B, C, or D was maybe C then you would just note: 10-D
- That’s all there is to it for the 8 questions provided within the next pages and your answers noted on a Word document
- Save the Word document with your answers, naming the file:
  **11 Exercise MCQ**

# Q1 AND Q2

**1. Who is the engineer famous for predicting that the number of transistors on a chip would double every two years?**

- a) Alan Turing
- b) Charles Babbage
- c) Ada Lovelace
- d) Gordon Moore

**2. Why is a GPU usually better for AI than a standard CPU?**

- a) It uses less electricity.
- b) It is much smaller in size.
- c) It can handle thousands of small tasks simultaneously (Parallel Processing).
- d) It doesn't require a cooling fan.

# Q3 AND Q4

**3. In the context of "Big Data," what does the term "Velocity" refer to?**

- a) The physical size of the hard drive.
- b) The different types of data (photos, text, etc.).
- c) The accuracy of the information.
- d) The speed at which new data is generated and collected.

**4. Which technology allows a user to access massive AI "thinking power" without needing a supercomputer at home?**

- a) Cloud Computing
- b) Bluetooth
- c) Dial-up Internet
- d) Floppy Disks

# Q5 AND Q6

**5. What is the primary purpose of an NPU (Neural Processing Unit) inside a modern smartphone?**

- a) To make the screen brighter.
- b) To increase the volume of the speakers.
- c) To connect to the charger faster.
- d) To handle AI tasks like FaceID and voice recognition efficiently.

**6. What is "Deep Learning"?**

- a) AI that only works underwater.
- b) A type of machine learning that uses many layers of neural networks.
- c) An AI that has read every book in a library.
- d) A way to store data on a DVD.

# Q7 AND Q8

**7. Why is "Low Latency" critical for technologies like self-driving cars?**

- a) It makes the car go faster.
- b) It keeps the car's battery charged.
- c) It allows the car to play music from the internet.
- d) It ensures the car can react to hazards in real-time without delay.

**8. What does "Open Source" mean for AI development?**

- a) The software is kept secret by big companies.
- b) The software is partially broken and requires to be fixed.
- c) The code is free for anyone to access, use, and improve.
- d) The AI can only be used during the day.

# THAT'S ALL FOLKS!
# (FOR THIS EXERCISE ANYWAY)