

Computer Science Essentials

Computer Science · Answer Key · 10 Questions

1. Which component is often referred to as the 'brain' of the computer?

- A) Random Access Memory
- B) Central Processing Unit**
- C) Hard Disk Drive
- D) Graphics Processing Unit

2. In computer binary, what does a single bit represent?

- A) A byte
- B) A decimal number
- C) A binary digit (0 or 1)**
- D) A character

3. Which of the following is considered 'volatile' memory because it loses its data when the power is turned off?

- A) ROM
- B) RAM**
- C) SSD
- D) Flash Drive

4. What does the acronym 'HTML' stand for in web development?

- A) HyperText Markup Language**
- B) High Tech Modern Language
- C) Hyperlink Text Manipulation Language
- D) HyperTool Multi Language

5. Who is widely credited with proposing the design for the first general-purpose computer, the Analytical Engine?

- A) Alan Turing
- B) Ada Lovelace
- C) Charles Babbage**
- D) Bill Gates

6. Which of these is a low-level programming language that is closest to machine code?

- A) Python
- B) Assembly**
- C) Java
- D) Ruby

7. What is the primary function of an Operating System?

- A) To browse the internet
- B) To manage hardware and software resources**
- C) To protect the computer from viruses
- D) To compile source code

8. Which unit of measurement is equal to 1,024 bytes?

- A) Megabyte
- B) Gigabyte
- C) Kilobyte**
- D) Terabyte

9. What type of software is designed to perform a specific task for the user, such as word processing?

- A) System software
- B) Application software**
- C) Firmware
- D) Utility software

10. Which logic gate outputs true only if both of its inputs are true?

- A) OR gate
- B) NOT gate
- C) AND gate**
- D) XOR gate