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Self-Made Assignment - Python

Program and Programming Language

Solve these following MCQ Questions

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Q1. A program is:

- A) A computer hardware component
- B) An ordered set of instructions for a computer
- C) A language used to talk to a computer
- D) A debugging tool

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Q2. The language that computers directly understand is called:

- A) High-level language
- B) Assembly language
- C) Machine language
- D) Python

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Q3. A program written in a high-level language is known as:

- A) Source code
- B) Object code
- C) Binary code
- D) Bytecode

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Q4. Which of the following is used to translate Python code into machine language?

- A) Compiler
- B) Interpreter
- C) Assembler
- D) Debugger

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Q5. In Python, the interpreter executes the program:

- A) All at once
- B) Statement by statement
- C) After compilation
- D) Only if no errors are found

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Q6. Which of the following is a low-level language?

- A) Python
- B) C++
- C) Assembly
- D) Java

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Q7. Which of the following is an example of a high-level language?

- A) MOV A, 5
- B) 11001010 00001111

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- C) C++
- D) None of these

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Q8. A compiler differs from an interpreter because it:

- A) Executes code line by line
- B) Translates the whole program at once
- C) Checks syntax errors only
- D) Works slower than an interpreter

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Q9. A mid-level language combines features of:

- A) Machine and Assembly
- B) Low-level and High-level languages
- C) Python and JavaScript
- D) None of these

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Q10. Which of the following is a mid-level language?

- A) C
- B) Java
- C) Python
- D) BASIC

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Q11. Python was created by:

- A) Dennis Ritchie
- B) James Gosling
- C) Guido van Rossum
- D) Bjarne Stroustrup

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Q12. Python is a:

- A) Compiled language
- B) Low-level language
- C) Interpreted, high-level language
- D) Assembly-based language

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Q13. Which of the following statements about Python is true?

- A) Python is not case-sensitive.
- B) Python uses curly braces {} for blocks.
- C) Python uses indentation for blocks.
- D) Python must be compiled before execution.

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Q14. Which of the following editors can be used for Python programming?

- A) Thonny
- B) VS Code

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- C) Jupyter Notebook
- D) All of the above

Q15. Python can be used for all of the following except:

- A) Web development
- B) System scripting
- C) Hardware circuit design
- D) Data analysis

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