Introduction to Software Engineering

Software Engineering · Answer Key · 12 Questions

1. What is the term for a mistake in a computer program's code that causes it to behave unexpectedly?

A) Glitch
B) Bug
C) Crash
D) Virus

2. What is the process of identifying and removing errors from computer hardware or software?

A) Compiling
B) Debugging
C) Encoding
D) Formatting

3. Which phase of the software development lifecycle involves writing the actual code?

A) Design
B) Implementation
C) Testing
D) Deployment

4. What is a step-by-step procedure or set of rules followed in calculations or other problem-solving operations?

A) Algorithm
B) Variable
C) Syntax
D) Compiler

5. What does the acronym 'UI' stand for in software engineering?

A) Universal Input
B) User Interface
C) Unit Integration
D) Utility Item

6. What is the primary function of a compiler in software engineering?

A) To translate source code into machine code
B) To draw graphics on the screen
C) To store user passwords securely
D) To fix bugs automatically

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7. In programming, what is a variable used for?

A) To display an image
B) To store data values
C) To connect to the internet
D) To shut down the computer

8. What is the purpose of 'comments' in a computer program?

A) To speed up the program
B) To make the code look colorful
C) To explain code to human readers
D) To delete old files

9. Which of these is a widely used high-level programming language?

A) Python
B) Keyboard
C) Monitor
D) Processor

10. What is the first step in the software development process?

A) Writing code
B) Testing
C) Requirements analysis
D) Marketing

11. Which component of a computer system is responsible for running software instructions?

A) Hard drive
B) CPU
C) Power supply
D) Mouse

12. What does 'source code' refer to?

A) The compiled version of a program
B) The human-readable instructions written by a programmer
C) The hardware instructions for a motherboard
D) The data stored on a web server

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