

Introduction to Software Engineering

Software Engineering · Practice Test · 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

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