

Live Quiz 3.

1. Which one of the following is not a symptom of the present software crisis?

- a. Software is expensive
- b. It takes too long to build a software product.
- c. Software is delivered late.
- d. Software products are required to perform very complex tasks.

Ans: d

2. The goal of structured programming is which one of the following?

- a. To have well indented program.
- b. To be able to infer the flow of control from the compiled code.
- c. To be able to infer the flow of control from the program text.
- d. To avoid the use of GO TO statements.

Ans: d

3.

4. Why is writing easily modifiable code important?

- a. Easily modifiable code results in quicker run time
- b. Most real word programs require change at some point of time or other.
- c. Most text editors make it mandatory to write modifiable code.
- d. Several developers may write different parts of a large program.

Ans: B

5. Which one among the following is not a software service type of project?

- a. Software maintenance
- b. Software customization
- c. Outsourced software development
- d. Software product development

Ans: d

6. Model building is a form of which one of the following?

- a. Abstraction

- b. Decomposition
- c. Aggregation
- d. Composition

Ans: A

7. Which one of the following characteristic of software products being developed is not symptom of software crisis?

- a. Fail to meet user requirements
- b. Expensive
- c. Highly Interactive
- d. Difficult to alter, debug and enhance

Ans: C

8. What is the implication of the magical number 7 in build and fix development projects?

- a. Development effort increases exponentially with program size
- b. Development effort increases linearly with program size
- c. Development effort increases sub-linearly with program size
- d. Development effort Decreases linearly with program size

Ans: A

9. Which one of the following is not an implication of severely restricted size of the short-term memory?

- a. Difficulty in permanently remembering large amount of information
- b. Difficulty in developing a program with large number of variables
- c. Difficulty in debugging a program with large number of variable.
- d. Difficulty in understanding a program with large number of variables

Ans: A

10. Why does the effort required to develop a software grow exponentially with size. When a build and fix model of development is use?

- a. Bugs increase exponentially
- b. Number of modules increases
- c. Code becomes unstructured
- d. Human cognitive limitations

Ans: d