

## Quiz

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Here's a quiz on the nature of software and software engineering with easy-level questions:

### **\*\*Multiple Choice Questions (MCQs)\*\***

1. What is the primary goal of software engineering?

- a) To develop software quickly
- b) To develop software with high quality
- c) To develop software with low cost
- d) To develop software with more features

Answer: b) To develop software with high quality

2. Which software development methodology emphasizes flexibility and customer satisfaction?

- a) Waterfall
- b) Agile
- c) V-model
- d) Spiral

Answer: b) Agile

3. What is the purpose of requirements engineering in software development?

- a) To design the software architecture
- b) To implement the software
- c) To gather and document software requirements
- d) To test the software

Answer: c) To gather and document software requirements

4. What is UML used for in software development?

- a) To write code
- b) To design databases
- c) To create diagrams for software design
- d) To test software

Answer: c) To create diagrams for software design

5. What is the primary goal of software testing?

- a) To find as many defects as possible
- b) To ensure software meets requirements
- c) To reduce software development time
- d) To increase software development cost

Answer: b) To ensure software meets requirements

### **\*\*True/False Questions\*\***

- 1. Software engineering is only about writing code. (False)
- 2. Agile development methodology is only used for small projects. (False)
- 3. Requirements engineering is a one-time activity in software development. (False)
- 4. UML is only used for designing software architecture. (True)

5. Software testing is only done at the end of software development. (False)

**\*\*Short Questions\*\***

1. What is the main difference between functional and non-functional requirements?

Answer: Functional requirements describe what the software should do, while non-functional requirements describe how the software should perform.

2. What is the purpose of model-driven engineering in software development?

Answer: Model-driven engineering is an approach to software development that emphasizes creating models that drive the development process.

3. What is the main goal of software process improvement?

Answer: The main goal of software process improvement is to optimize the software development process to increase efficiency and quality.

Let me know if you need anything else!