

Software enginnering Assignment

SDLC MODULE 1



December 21, 2022

Tops Technologies

905, Samedh Tower, CG Rd, Ahmedabad.

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| Que. 1 | What is software? What is software engineering? |
| Ans. 1 | Software is a set of programs used to operate on computers to complete the specific task. |
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| Que. 2 | Explain types of software |
| Ans. 2 | There are two types of software as follows.   1. **System software** –   System software directly operates the computer hardware and provides the basic functionality to the users as well as to the other software to operate smoothly. In other words, system software basically controls a computer’s internal functioning and also controls hardware devices such as monitors, printers, and storage devices, etc.   1. **Application software** -   Software that performs special functions or provides functions that are much more than the basic operation of the computer is known as application software. In other words, application software is designed to perform a specific task for end-users. It is a product or a program that is designed only to fulfill end-users’ specific set of requirements. For example, inventory, payroll programs are application software. |
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| Que. 3 | What is SDLC? Explain each phase of SDLC |
| Ans. 3 | SDLC stands for software development life cycle. SDLC has following phases.   1. Requirements – Requirement gathering phase from client. 2. Analysis – Requirement analysis phase 3. Designing – System designing phase 4. Development – System development phase 5. Testing – System testing phase 6. Deployment – System deployment on live / production server 7. Maintenance – System maintenance phase (to solve bugs if find any) |
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| Que. 4 | What is DFD? Create a DFD diagram on Flipkart |
| Ans. 4 | DFD stands for data flow diagram. |
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| Que. 5 | What is Flow chart? Create a flowchart to make addition of two numbers |
| Ans. 5 | A flowchart is a picture of the separate steps of a process in sequential order. Flowcharts normally use standard symbols to represent the different types of instructions. |

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|  | Start  Take Input of 1st Number  Take Input of 2nd Number  Add 1st & 2nd Number  Display result on screen  Stop |
| Que. 6 | What is Use case Diagram? Create a use-case on bill payment on paytm. |
| Ans. 6 | A use case diagram is a graphical representation of a user's all possible interactions with a system. A use case diagram shows various use cases (scenario) and different types of users of the system. The use case is made up of a set of possible sequences of interactions between systems and actors (users) in a particular environment and related to a particular goal. |

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