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| **z Assignments**  **Name: Roy Fenal Naranbhai** |  |  |  |  |
| **Software Testing** |  |  |  |  |
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| 1. **What Is SDLC ?** |  |  |  |  |
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| * SDLC is a structure imposed on the development of a software product |  |  |  |  |
| that defines the process for planning, implementation, testing, documentation, |  |  |  |  |
| deployment, and ongoing maintenance and support. |  |  |  |  |
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| * **SDLC Phase** |  |  |  |  |
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| |  |  | | --- | --- | | Requirements  Collection/Gathering | Establish Customer Needs | | Analysis | Model And Specify the requirements-  “What” | | Design | Model And Specify a Solution – “Why” | | Implementation | Construct a Solution In Software | | Testing | Validate the solution against the  requirements | | Maintenance | Repair defects and adapt the solution to the new requirements | |  |  |  |  |
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| * **Requirement Gathering In Three Type Problem :** |  |  |  |  |
|  |  |  |  |  |
| * Lack of clarity |  |  |  |  |
| * Requirements confusion |  |  |  |  |
| * Requirements Amalgamation |  |  |  |  |
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| * **Requirement Gathering :** |  |  |  |  |
|  |  |  |  |  |
| * Features |  |  |  |  |
| * Usage scenarios |  |  |  |  |
| * Plan for change |  |  |  |  |
| * Requirements will Change ! |  |  |  |  |
|  |  |  |  |  |
| * **Types of Requirements :** |  |  |  |  |
|  |  |  |  |  |
| * Functional Requirements |  |  |  |  |
| * Non-Functional Requirements |  |  |  |  |
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| 1. **What is Software Testing ?** |  |  |  |  |
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