Software Testing

Software Testers do not write code, they only make them better
Software Testing

What is software testing?
Software testing is defined as an activity which ensures that the software system is defect free. Software testing also helps in identification of errors, gaps or missing requirements as compared to the actual requirements. Software testing can be either done manually or using automated tools.

Why is software testing important?
Software Testing is important because software bugs (defects) could be expensive or even dangerous. Software bugs can potentially cause monetary and human loss. History is full of such examples:

- An aircraft belonging to an international airline crashed due to a software bug in 1994 killing more than 200 passengers.
- A software bug in a retailer’s system caused heavy losses to its partners creating immense hardship.
- In 1996, a software bug caused the bank accounts of 823 customers of a major U.S. bank to be credited with 920 million US dollars.

What does a software tester do?
A software tester’s responsibilities typically consist of the following activities:

- Understanding requirements
- Creating test cases
- Executing test cases
- Reporting and logging bugs
- Re-testing the bug fixes
- Provide sign-off for deployment

What is the career path of a software tester?
Career progression of a software tester will be as below:

- QA Engineer/ Analyst
- Sr. QA Engineer/ Analyst
- QA Leader
- QA Manager
- Delivery Manager

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