* What is Software Testing?

Software Testing is a process of verifying that software works as intended and according to SRS (System Requirement Specifications). It’s a key aspect of software development process, allowing to assess actual vs expected user experience prior to product release. Testing needs to be planned well and give developers time to fix any bugs found in the process.

* Types Of Software Testing:
* Functional Testing:

Functional testing is focused on verifying that software works as expected and according to SRS. It involves testing individual units and function; Examples (non-exhaustive list):

* + Unit testing – individual units of the software are tested,
  + Integration testing – assessing relationships between different modules of software and ensuring they work together correctly,
  + System testing – checking entire system to ensure that all components are working well together and as intended.
* Non-Functional Testing:

Non-functional testing focuses on aspects like performance, usability, reliability and security, so aspects other than specific system behaviours; Examples (non-exhaustive list):

* + Performance testing – assessing speed and responsiveness under various conditions,
  + Usability testing – evaluating general user experience,
  + Reliability testing – checking stability and reliability of software under various (normal and extreme) conditions.