Software testing:-

Software testing is **the process of assessing the functionality of a software program**. The process checks for errors and gaps and whether the outcome of the application matches desired expectations before the software is installed and goes live.

**Bugs:-**

an error that may cause components or the system to fail to perform its required functions. For ex,  incorrect data description, statements, input data, design,etc

there are 2 types of bugs **Functional bugs**. **Content bugs**

Error:-

Error means mistake in code there are six types: **constant error, systematic error, random error, absolute error, relative error and percentage error**.

Mistake:-

The software is used incorrectly and so does not behave as we expected.

Fault:-

It arises when the expected result don't match with the actual results.

Defect:-

A defect is a system error that doesn't allow the intended action to be completed.

Failure:-

A failure is the inability of a software system or component to perform its required functions within specified performance requirements. When a defect reaches the end customer it is called a Failure. During development, Failures are usually observed by testers.