

WHAT WILL HAPPEN IF WE DO THE TESTING

testing is a process of checking whether the resulted output is same as actual output

if we do not do testing then buggy software will be release in market

the software will not meet the business requirement

business will go down

what are types of testing available

MANUAL TESTING

AUTOMATION TESTING

manual testing is a process of testing the application manually , basically what we do we write test case we run the test cases and decided whether the code which has been written matches the business requirement

automation testing we make use of tools of testing in order to check repetative code such as Junit for java , NUnit for dot net etc

WHICH TYPE OF TESTING TAKES PLACE FIRST

smoke testing takes place first , if the application passes the smoke test then only we can test the application

BUG LIFE CYCLE

NEW / OPENED

ASSIGNED

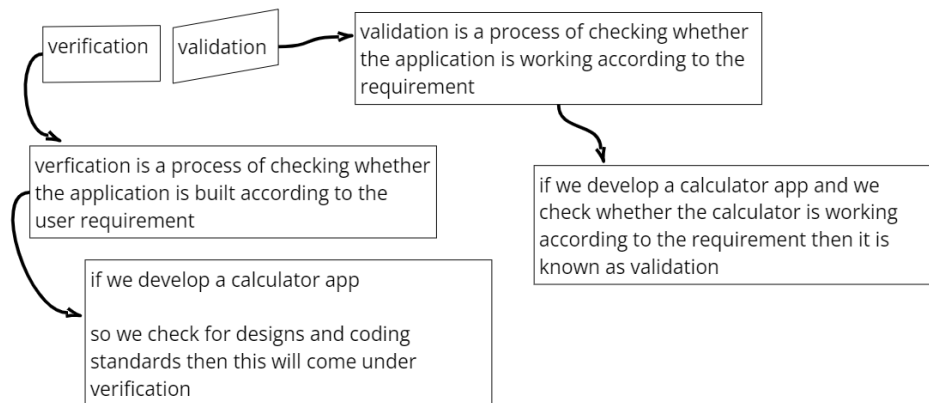
IN PROGRESS

FIXED / RESOLVES

CLOSED

DEFERRED

REOPEN



PRINCIPLES OF TESTING

1. **Testing shows presence of bugs** : with the help of testing we can remove bugs
2. **Exhaustive testing is imposible** : we cannot cover almost all the test cases there are times where we have to decide whether this test is passed or fail
3. **Early testing should be taken care** : testing can be done from early stages itself
4. **Defect clustering** : majority of defects comes from small number of modules
5. **Pesticide paradox** : if same types of test cases are executed again and again then this will lead to not generation / found of any bugs

6. **Absence of errors** : if requirement is write then only tester will be able to test the application properly