**Day 14:**

Testing : Testing is use to find the defect or error or bugs in the application.

If we run the application using main file or main function or main method testing is not required.

We need to test the code without main file or main function or main method.

Types of testing

1 . black box testing

Input process Output

2. white box testing

Input process Output

Unit testing : Unit testing is a type of white box testing which help to test function functionality working or not.

Junit testing : for Java

Nunit testing for .net

JavaScript testing :

Jasmine

Mocha

JEST

Plain JavaScript : Jasmine or JEST

Node JS testing : Mocha with Chai

Angular framework : Jasmine with Karma tool

React JS : JEST :

operation.js

function add(a,b) {

var sum = a+b;

return sum;

}

**React with JEST testing framework**

npm create vite@latest react-with-jest

cd react-with-jest

npm install