What is integration testing?

Testing the data flow between two modules of an application

We choose whether both the modules are properly integrated/connected or not

Before we perform integration testing functionality testing scenarios should be working fine

Scenarios of integration testing

Login as user a and send rs1000 to user b amount is credited or not

2

Login as user a send rs 1000 to user b and choose whether amount debited or not

3

Login as user a send rs 1000 to user b and choose in the transaction history of both the isers the amount which is transferred

Types of tntegration testing

Incremental testing

Non incemental testing

Incemental testing isbof two types

Top down iit

Bottom up iit

Incemental adding the modules and testing the data flow between the modules

Incrementally adding the modules and testing the data flow between the modules and make sure that you are adding should be the child of the previous one is called top down iit

Incrementally adding the modules and testing the data flow between the modules and make sure that adding should be the parent of the previous one

Combination of topdown and bottom up is called sandwaitch testing

Combining all the modules at a shot and testing the data flow between the modules is called non incremental integration testing

Drawbacks of non incremental testing

Root cause analysis is very difficult that is identifying rrot cause of the defect is very difficult

We might miss to test some of the data flow between the modules of the application

APPLICATION OF NON INCREMENTAL INTEGRATION TESTING

WHENEVER THERE IS COMPLEXITY IN THE DATA FLOW BETWEEN THE MODULES OF THE APPLICATION

WHENEVER WE ARE NOT SURE WHICH IS OUR PARENT MODULE AND OUR CHILD MODULE