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(1)

Answer to the Question no - (2) (i)

Ans Purpose of software testing:

Software testing is an activity to check whether the actual result match & and to ensure that the software testing is defect free. it execution of a software component on system component to evaluate one or more properties.

Software testing as a white box and Black box testing.

Answer to the question no (2)(1)

Ans: Different types of loops.

Nested Loops Nested Loop join a naive algorithm that joins two sets by using two nested loops.

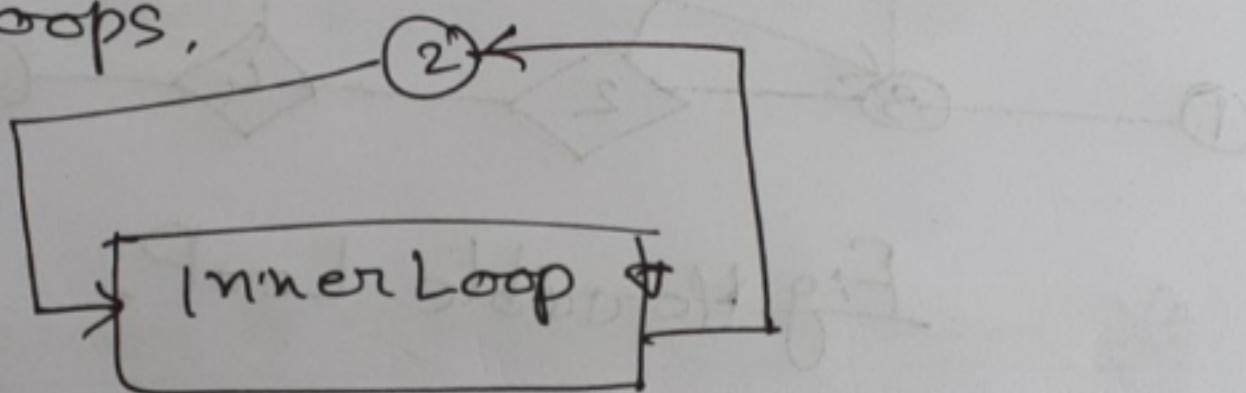
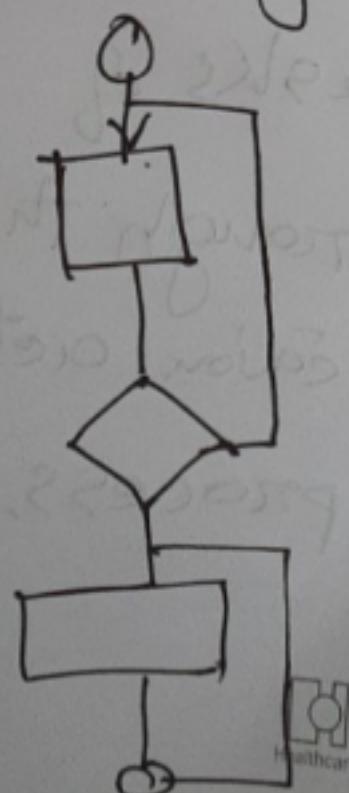


Fig: Nested Loop

Concatenated Loop: Two loops are concatenated if they are same paths.



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Fig: Concatenated Loop.

(3)

Horrible Loop:

Complexed among all 3 loops. It is very difficult to test. Design of test cases are difficult.

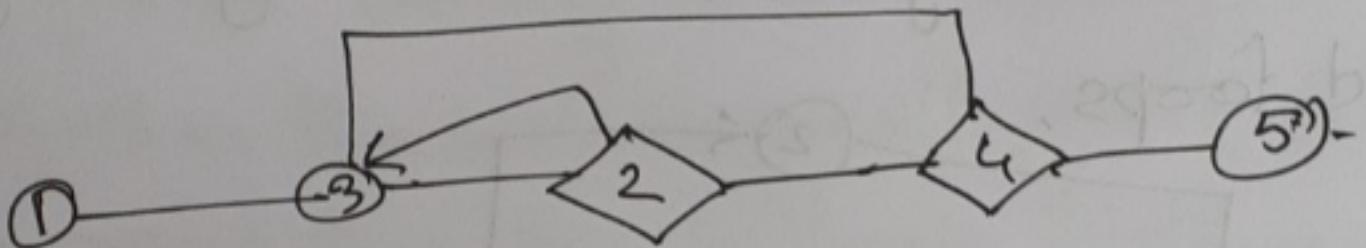


Fig Horrible Loop.

Answer to the Question no-(3)

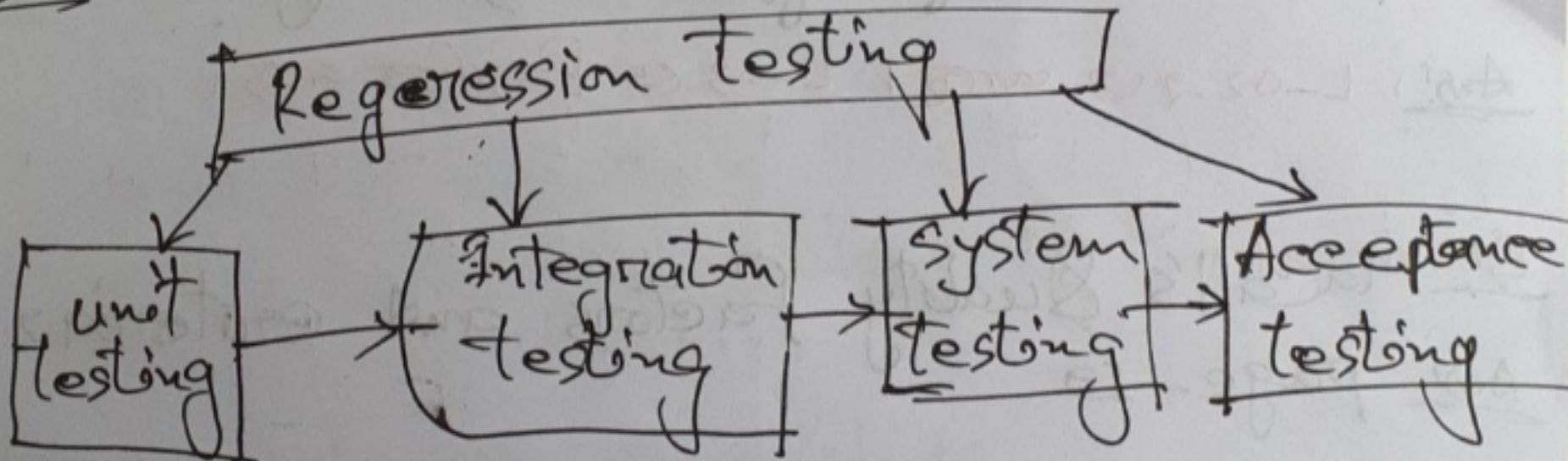
2 major terms in software quality

Assurance: The tasks of SQA ensure software quality through the related validation and verification activities.

Software quality process.

Q) Regression testing levels

Soh:



Regression testing:

- * New test cases are not designed.
- * Tests are selected, prioritized and executed
- * To ensure that nothing is broken in the new version of the software.

(4)

- Quality planning.
- Execution of selected software validation and verification.

and the major tests activities

Testing: and alternatives testing.

Answer to the question no - (4)(5)

Regression testing:

6 major quality characteristics:

- ① Functionality
- ② Reliability
- ③ Usability
- ④ Efficiency
- ⑤ Maintainability
- ⑥ Portability.

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① Reliability: Reliability is the part of software quality. It is the testing part of SS.

② usability: usefulness of a software is usability. It is also a part of SS.

(iii) - an outcome of research