

П	☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun
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4	gres of:
	Testing tools:  1. Static analyzers (examine program systematically & automatically)  2. Code inspectors
	2. Code inspectors
	3. Che had a lad cold (impose sample muss
	ex a line extent
	5. Output comparators (determine whether output is appropriate or not)
-	6. Test file generators
_	→ Pl 1. 1 Postino
	Black box festing
3	(1) Boundary value analysis
\$	n input variables > (9n+1) test cases
mgr.	(1) Boundary volne analysis  n input variables > (4n+1) test cases  (ning min+1, mit, max-1, max) + (mid)
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Tam	
R	2) Robustness Lesting
SING S	In annot variables > (6n+1) test cases
, ,	1 ° 1 ° 1 1 mant man mant ) + (mid)
	n input variables $\Rightarrow$ (6n+1) test cases  (min+1, min, min+1, max+1, max, max+1) + (mid)
	3) Worst case analysis
	It letect winds land of allumption there.
	of reflect striple failite absumption many.
	n input variables ) 5 test cases.
	It reject single fault assumption theory.  n input variables >> 5" test case.  (nin, min+1, mid, max-1, max)
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Type of mutation testing:

i) Single order mutation testing: one line change in code ii) Second order | higher order mutation testing

STLC (Software Testing life Cycle)

It is a systematic approach to testing a S/W to ensure that it meets the requirements & is free of defects.

Phase:

1) Requirement toralysis: Review SRS, interview skatcholders gidentify ambiguities, inconsistencies and any potential risk or issues that

may impact the testing process. 2) Test planning: Identify testing objectives, develop strategy, identify test en, resources & test cases, assign role à responsibil

and review & approve test plan.

3) Lest case development: Identify Create test scenalio, white clear, concise, understandable test cases, review à validate test ases.

4) Test Environment setup: decides the conditions on which S/W is tested quither developer of customer creates testing environment.

5) Test Execution! Testing team starts executing the prepared test cases - Result analysis, defect logging also takes place-

6) Jest Closure. All testing related activities are completed I documented. First summary report, test env. clean up, feedback & improvements.

