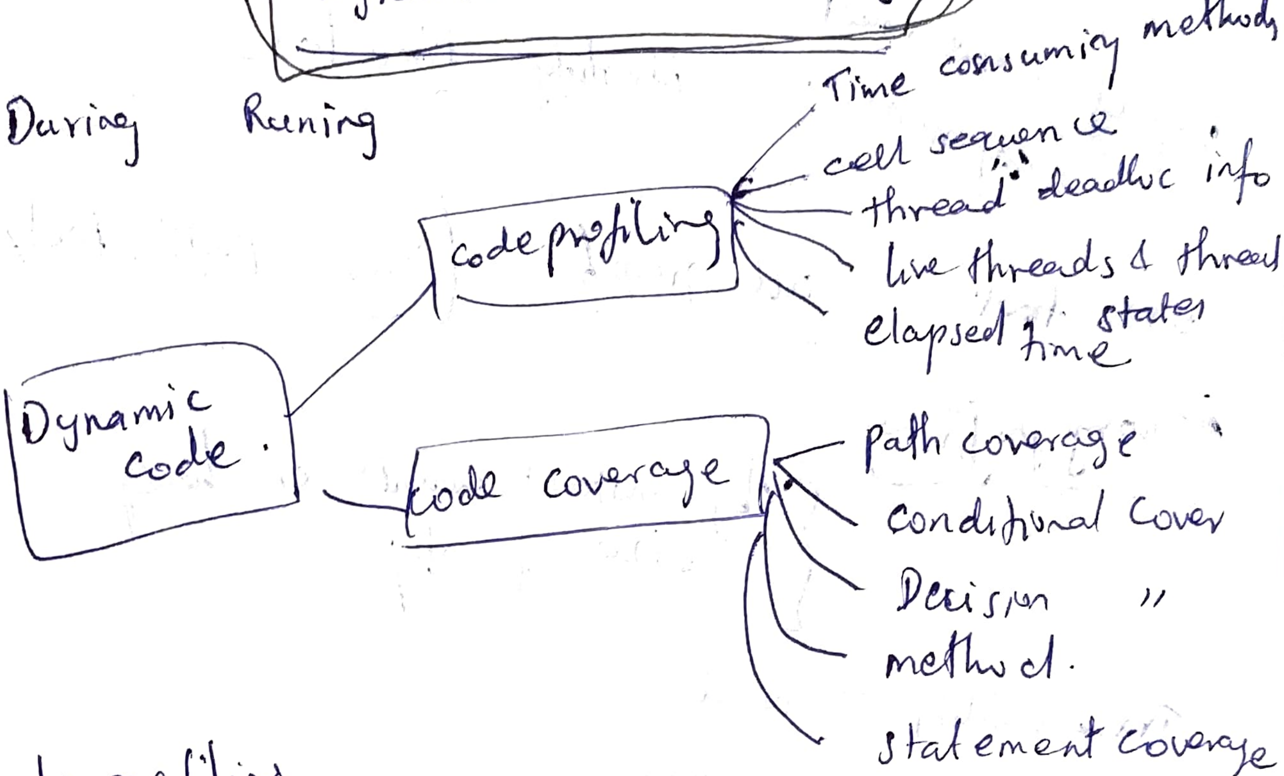
③ Execution of testcases & fixing the bugs.

Dynamic code Analysis

During Running



code profiling

1) Time consumed by methods.
- identified, analyze, performance, find bottleneck

2) call sequence
- seq of methods calls.
- used to analyze paths traversed.

~~3)~~
3) Thread deadlock info.

deadlocks due to resource (or) any other reason.

identify prob sequence

4) ~~Lis~~ List of live threads & thread states.

used to analysis states of thread running

Elapsed time

include ~~stp~~ sleep periods }
Prog pauses }
I/o waits }

impact on end used experience.

identify time lags.

use tool. call graph

Java Profiler tool

memory profiling

{ obj instant counts on heap
size of obj

Trace utility of oracle

Code coverage

* finds out what percentage of codebase is not being exeuted as Part of execution of test ~~cased~~.
cases.

*create more test cases → to increase coverge level statement Coverage Measure degree to which statements of appli, codebase under test have been Coverened during test execution

method coverage

- Measure degree to which funs (or) methods of a appli codebase under test have been Covered during test execution

Decision Coverage

- measure degree to which boolean conditions of all decision and loop constrns of an appl code base under test

Condition coverage measure degree to which . boolean

cond. of ↓ all boolean exp

whether all branches measure are covered

Path Coverage

permutation of all possible logical flows ~~in~~ a