

Assignment 4:

1. Explain mutation testing. Consider a program used to find if a given number is positive or negative. Generate 2 mutants for the same and give example for live and dead mutants considering same.
2. Explain the different steps involved in test assessment using mutation testing.
3. Write a short notes on
 - a. Scaffolding and Stubs
 - b. Capture and Replay
 - c. Oracles
4. Explain the first and higher order mutants. Give examples for the same. Perform mutation testing for a program to add 3 numbers by generating any 3 mutants and test suite of your choice.