1. The program reads an integer value from an input dialog and displays a message whether the number is a prime number or a composite number.

- *Definitions:
  - Prime number: a natural number greater than 1 (one) that has no positive divisors other than 1 (one) and itself.
  - Composite number: a natural number greater than 1 (one) that is not a prime number.

- Possible program output:
  - Prime number
  - Composite number
  - Not a prime number
  - Error – Invalid input
  - Error – No input given

Fill in the table by writing 8 test cases to test Program by covering as many types of inputs as possible? (8 marks)
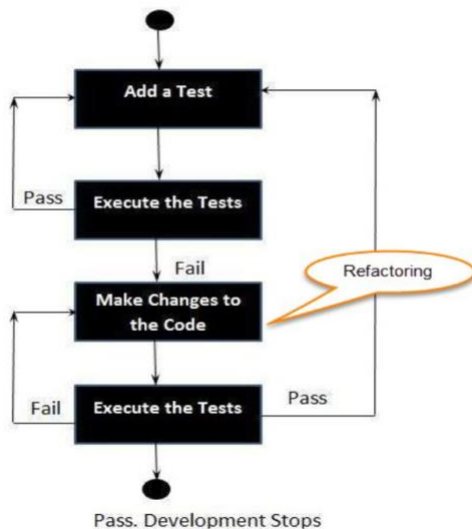
Value to be Inputted	Expected Output from the Program

2. Write steps for pushing the project to github? (5 marks)

3. Draw flowchart of SDLC phase? (5 marks)

4. How a typical regression testing scenario works. Explain with an example? (5 marks)

5. Based on the TDD flow below, give 1 pseudo code example for the TDD (Test driven development)? (5 marks)

Pass. Development Stops

6. What is full form of VCS? (1 marks)
A.Version Configuration System
B.Version Consolidated Solutions
C.Version Configuration Solutions
D.Version Control System

7. Git is a _____ (1 marks)
A.Distributed version control system
B.Centralized version control system
C.Localized version control system
D.All of the above

8. Git can be used for which project? (1 marks)
A. Java enterprise project
B. .Net project
C. File version management
D. All of the above

9. True or false? It is better to discover defects later in the development process. That way, you can have more of the system finished before you worry about fixing things. (1 marks)
a. True
b. False

10. In software engineering, defects that are discovered _____ are _____ to fix. (2 marks)
a. earlier; more expensive
b. later; more expensive
c. by customers; more difficult
d. by developers; more difficult
e. None of the above

11. In iterative development, how long should an iteration generally be?
(1 marks)
a. 1 week
b. 2–6 weeks
c. 2–4 months
d. 6 months to a year
e. None of the above