**Test plan**

High level test plan

Perform the required operation

+,-,\*…etc

Switch

Read choice

Enter the numbers

Display options

No

Yes

Display the results

Default

1.We have to enter the number of terms.

2.The program will read the numbers entered.

3.There will be many operations in the program such as addition, subtraction, multiplication… etc.

4.Using switch case the desired operation can be performed.

5.Output of the desired operation will be displayed in the terminal.

6.If the choice is wrong then default case will be executed.

7.The program gets terminated.

Low level test plan - Percentage

Percentage

(a/b)\*100

1.In this test plan a and b are considered as inputs .

2.In order to perform percentage operation formula is percentage = (a/b)\*100.

3.The result will be displayed on the terminal.

4.The program gets terminated.

Detailed requirements

Low level – percentage

Percentage is also referred as percent and it is used to express the fraction of a number out of 100%. Percentage means per one hundred, for example 45% represents 45 out of 100 or 45 percent of the total.

Design

Low level percentage – Structural diagram

Calculator

Interface

Percentage

Tokenizer

Operator

Operand

Low level percentage – behavioral diagram

Operators Function(operand) Calculator Output(result)