

## 6.3 LAB TASKS

1. Write a C++ program which repeatedly takes negative numbers as input. If the user enters zero or any positive number it should stop taking input and display the sum of the previously entered numbers.

Use the do-while loop to get the numbers.

**[20 Marks]**

Now use the while loop for the same purpose. What changes are required to do so? Hint: break statement

**[20 Marks]**

2. Translate the following pseudocode for finding the minimum value from a set of inputs into a C++ program.

Set a Boolean variable "first" to true.

While another value has been read successfully

    If first is true

        Set the minimum to the value

        Set first to false

    Else if the value is less than the minimum

        Set the minimum to the value

Print the minimum

Can you do this without using the Boolean variable?

**[20 Marks]**

3. Write a program that reads a word and prints the word in reverse. For example, if the user provides the input "Harry", the program prints yrraH

**[20 Marks]**

4. Design a riddle game and let your friends guess the riddles. For the moment, the riddle is "What has hands but can not clap?". The answer for this riddle is "clock". Write a code which shows the riddle on screen and get the answer from the user. This should allow 3 attempts to guess the riddle and disclose the answer afterwards. If the user guesses the answer before he/she run out of attempts then program should be terminated by congratulating him/her. Use a do-while loop to perform this task.

**[20 Marks]**