

TOPIC: ITERATION STATEMENTS - do ... while loop

1.	Write a program to print the sum of negative numbers, sum of positive even numbers, sum of positive odd numbers from a list of numbers entered by the user. The list terminates when the num entered is zero.
2.	Write a program to sum the given series. Accept the number of terms from the user. $2 - 5 + 8 - \dots\dots\dots$ $9 \quad 13 \quad 17$
3.	Write a menu driven program as follows. Accept the necessary details from the user. <p align="center">MENU</p> <p align="center">-----</p> <p>1. Area of a Rectangle 2. Perimeter of a Rectangle 3. Length of the diagonal Enter your choice(1 to 3):</p>
4.	Write a program to accept the number of lines and print the following pattern. Eg: If the number of lines is 4, then the pattern should be as follows. <pre> * * * * * * * * * * </pre>
5.	Write a program to print first 'n' odd numbers in descending order. Eg: if number is 10, then the output is 9 7 5 3 1
6.	Write a program to accept the number of lines and print the following pattern. Eg: If the number of lines is 3, then the pattern should be as follows. <pre> 1 1 2 1 1 2 3 2 1 </pre>
7.	Write a program to print all prime numbers from 1 to 'n'. Accept the value for 'n' from the user. Eg: If number is 10, then the output is 2 3 5 7
8.	Write a program to accept an integer 'n' (2 digit or more) and form a new integer that has the number of digit in 'n' at the ten's place and the most significant digit of 'n' at the one's place. Eg: If the number is 458 then the new number is 34