

Lab Assignment 3

1. Write a C program to print even and odd numbers from 1-50 using while, for and do-while.
2. Write a C program to find the largest number among ten
3. Write a C program to print the series 1 1 2 3 5 8 13 21 upto 150.
4. Write a C program to reverse a 3-digit integer.
5. Write a C program to find the prime number.
6. Using while loop print even numbers between 1 and 25.
7. Write a program to calculate the sum of the first 'n' natural numbers. Note: Write three versions of the program. (using while, do -while and for loop).
8. Using while loop write a program that reads an integer until 999 is encountered. Also count the number of positive, negative and zeroes entered by the user.
9. Write a program that inputs a positive integer number n and outputs the odd numbers between 1 and n.

For example, for n = 12, program should output: 1 3 5 7 9 11

10. Write a program to calculate the factorial of a number using for loop.
11. Write a program to calculate the $\text{pow}(x,y)$, i.e. x^y using loop.
12. Write a program to read a hexadecimal number. Calculate and display the decimal equivalent of this number.