

LIST OF PRACTICALS
CLASS-XI
COMPUTER SCIENCE
2022-23

Program 1: Input a welcome message and display it.

Program 2: Input two numbers and display the larger / smaller number.

Program 3: Input three numbers and display the largest number.

Program 4: Given two integers x and n, compute x^n .

Program 5: Write a program to input the value of x and n and print the sum of the following series:

$$S=1+x+x^2+x^3+x^4+x^5+.....x^n$$

Program 6: Write a program to input the value of x and n and print the sum of the following series:

$$S=1-x+x^2-x^3+x^4-x^5+.....x^n$$

Program 7: Write a program to enter a number and print whether it is Palindrome Number or not?

Program 8: Write a program to enter a number and print whether it is Armstrong Number or not?

Program 9: Write a program to enter a number and print whether it is Prime Number or not?

Program 10: Write a program to enter a number and print whether it is Perfect Number or not?

Program 11: Write a program to print Fibonacci sequence.

Program 12: Write a program to enter a string and count total vowels and consonants in it.

Program 13: Write a program to enter a string and count total lower case, upper case and others in it.

Program 14: Write a program to enter a string and print whether it is Palindrome or not? convert the case of characters in a string.

Program 15: Write a program to create a list and print the smallest element of the list.

Program 16: Write a program to create a tuple and print the smallest element of the tuple.

Program 17: Write a program to search a number from a list.

Program 18: Write a program to reverse the content of the list.

Program 19: Input a list of numbers and swap elements at the even location with the elements at the odd location

Program 20: Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have marks above 75.