Experiment List – III

(1) WAP to print the sum of digits of given number. For ex. No=12345 => sum=15

(2) WAP to find out the total number of odd digits and even digits within the given no and also find out sum of them.

For ex. No=23569 => odd=3, even=2, sum of odd=17, sum of even=8

(3) WAP to print the reverse no. of a given no. For ex. No=5623 => reverse=3265

(4) WAP to find out the sum of first and last digit of a given no. For ex. No=55899 => sum=14

(5) WAP to find out the smallest and largest digits in the given no. For ex. No=85924 => s=2, l=9

(6) WAP to check whether the number is prime or not?

(7) WAP to check whether the number is palindrome or not?

(8) WAP to check whether the number is armstrong or not?

(9) WAP to check whether the number is binary or not?

(10) WAP to check whether the number is octal or not?

User Defined Functions

(1) WAP which demonstrates all types of functions.

(2) WAP which creates the following built-in functions which takes the required values and returns proper outputs.

(Try to create all functions of different types)

      1. sum() 2. pow() 3. prime() 4. max()

      5. min() 6. factors() 7. factorial() 8. space()

      9. sort_array() 10. series()

(3) Write a program which having the following functions for conversions of number systems.

      1. Dectobin (for Decimal To Binary Conversion)

      2. Dectooct (for Decimal To Octal Conversion)

      3. Dectohexa (for Decimal To Hexadecimal Conversion)

      4. Bintodec (for Binary To Decimal Conversion)

      5. Bintooct (for Binary To Octal Conversion)

      6. Bintohexa (for Binary To Hexadecimal Conversion)

      7. Octtodec (for Octal To Decimal Conversion)

      8. Octtobin (for Octal To Binary Conversion)

      9. Octtohexa (for Octal To Hexadecimal Conversion)

      10. Hexatodec (for Hexadecimal To Decimal Conversion)

      11. Hexatobin (for Hexadecimal To Binary Conversion)

      12. Hexatooct (for Hexadecimal To Octal Conversion)

(4) WAP which having the recursive function to calculate the factorial of the given number.

(5) WAP which having recursive function to print the table for the given number