Assignment 7: Function

Implement the following C programs using user-defined functions:

1) Calculate x^y i.e pow(x,y) using recursion.

2) Reads an n x n matrix and displays the sum of elements for the main diagonal.

3) Insert a word in a string at a position given by the user.

4) Implement a function named as flip; which will take a number as input and flip its last N digits.

 For example flip(123, 2)= 132 ; (here N=2)

flip(12345,3)= 12543 (here N=3).

5) Write a program in C to find the sum of the series 1!/1+2!/2+3!/3+4!/4+5!/5 using the function.

6) Write a C program to find out the maximum and minimum of some values using a function which will return an array.