**Problem Statements**

1. Write a program to take two number ***k & n*** from user. Create a matrix of size ***k × n***. Program should take input from user to fill the matrix & print the matrix on screen.
2. Write a program to take input from user to fill two matrices of size 3 × 3 & then find & print addition of both the matrices.
3. Take a 4 × 4 matrix of integer values, statically initialize the matrix & print maximum & minimum number of the whole matrix. Also print average of integer elements of each row & column of matrix separately.
4. Write a program to read a 3 × 3 matrix from user & check whether matrix is an identity matrix or not. A matrix is said to be an identity matrix if each entry on its diagonal equal to 1.
5. Write a program to read a 5 × 5 matrix from user & then print upper half of the matrix.  
   **Example:**   
   2 3 1 5 0                              2 3 1 5 0  
   7 1 5 3 1                                 1 5 3 1  
   2 5 7 8 1   Output will be:       1 7 8  
   0 1 5 0 1                                       0 1  
   3 4 9 1 5                                          5
6. Write a program to initialize a 4 × 4 matrix with static values. Take two numbers from user. Find each occurrence of first number in the matrix & replace with the second number. Print the matrix on screen before & after replacing.
7. Write a program to read a 4 × 4 matrix from user & print sum of elements above & below the main diagonal.