Assignment for Data types and Variables

1. Write a C program to define int, float, string and character variables also print their values in console.
2. Initialise and assign integer values to 2 variables named x and y. Write a C code to swap their values without using any other variable. Print the values before and after swapping.
3. Write a C program to print the size (in bytes) of different data types (int, float, double, char) using the "sizeof" operator.
4. Write a C program that demonstrates the concept of variable scope by using local and global variables. Show how changes to a global variable affect the output in different functions.
5. write a C program to print 5 integers in a row and then in different rows without using any loop.
6. Write a C program that initializes global and local variables with different values. Print the values to demonstrate how initialization works for each scope.
7. Write a C program with static local variable named counter which should count from 1 to 5.
8. Write a C program to print table of number entered by user using printf and scanf functions.