**Basic Program**

1. Write a C# Sharp program to print Hello and your name in a separate line.
2. Write a C# Sharp program to print the sum of two numbers.
3. Write a C# Sharp program to print the result of dividing two numbers.
4. Write a C# Sharp program to print the results of the specified operations.  
   Test data:

-1 + 4 \* 6

( 35+ 5 ) % 7

14 + -4 \* 6 / 11

2 + 15 / 6 \* 1 - 7 % 2

1. Write a C# Sharp program to swap two numbers using third variable.
2. Write a C# Sharp program to swap two numbers without using third variable.
3. Write a C# Sharp program to print the output of the multiplication of three numbers entered by the user.
4. Write a C# Sharp program to print on screen the output of adding, subtracting, multiplying and dividing two numbers entered by the user.
5. Write a C# Sharp program that prints the multiplication table of a number as input.
6. Write a C# Sharp program that takes four numbers as input to calculate and print the average.
7. Write a C# Sharp program that takes three numbers (x,y,z) as input and outputs (x+y).z and x.y + y.z.
8. Write a C# program that takes a number as input and displays it four times in a row (separated by blank spaces), and then four times in the next row, with no separation. You should do it twice: Use the console. Write and use {0}.

*Test Data:*  
Enter a digit: 25  
*Expected Output:*  
25 25 25 25  
25252525  
25 25 25 25  
25252525

1. Write a C# program that takes a number as input and displays a rectangle of 3 columns wide and 5 rows tall using that digit.

*Test Data:*  
Enter a digit: 25  
*Expected Output:*  
25 25 25 25  
25252525  
25 25 25 25  
25252525

1. Write a C# program to convert Celsius degrees to Kelvin and Fahrenheit.
2. Write a C# program that removes a specified character from a non-empty string using the index of a character.

*Test Data:*  
w3resource  
*Sample Output:*  
wresource  
w3resourc  
3resource

1. Write a C# program to create a new string from a given string where the first and last characters change their positions.

*Test Data:*  
w3resource  
Python  
*Sample Output:*  
e3resourcw  
nythoP  
x

1. Write a C# program to create a string from a given string (length 1 or more) with the first character added at the front and back.  
   *Sample Output:*  
   Input a string : The quick brown fox jumps over the lazy dog.  
   TThe quick brown fox jumps over the lazy dog.T
2. Write a C# program to check a pair of integers and return true if one is negative and one is positive.  
   *Sample Output:*  
   Input first integer:  
   -5  
   Input second integer:  
   25  
   Check if one is negative and one is positive:  
   True
3. Write a C# program to compute the sum of two given integers. If two values are the same, return the triple of their sum.
4. Write a C# program to get the absolute value of the difference between two given numbers. Return double the absolute value of the difference if the first number is greater than the second number.
5. Write a C# program to check the sum of the two given integers. Return true if one of the integers is 20 or if their sum is 20.
6. Write a C# program to check if the given integer is within 20 of 100 or 200.  
   *Sample Output:*  
   Input an integer:  
   25  
   False
7. Write a C# program to convert a given string into lowercase.  
   *Sample Output:*  
   write a c# sharp program to display the following pattern using the alphabet.
8. Write a C# program to find the longest word in a string.  
   Test Data: Write a C# Sharp Program to display the following pattern using the alphabet.  
   *Sample Output:*  
   following
9. Write a C# program to print odd numbers from 1 to 99. Prints one number per line.  
   *Sample Output:*  
   Odd numbers from 1 to 99. Prints one number per line.  
   1  
   3  
   5  
   7  
   9  
   ...  
   95  
   97  
   99
10. Write a C# program to compute the sum of the first 500 prime numbers.  
    *Sample Output:*  
    Sum of the first 500 prime numbers:  
    824693
11. Write a C# program and compute the sum of an integer's digits.  
    *Sample Output:*  
    Input a number(integer): 12  
    Sum of the digits of the said integer: 3
12. Write a C# program to reverse the words of a sentence.  
    *Sample Output:*  
    Original String: Display the pattern like pyramid using the alphabet.  
    Reverse String: alphabet. the using pyramid like pattern the Display
13. Write a C# program to find the size of a specified file in bytes.  
    *Sample Output:*  
    Size of a file: 31
14. Write a C# program to convert a hexadecimal number to a decimal number.  
    *Sample Output:*  
    Hexadecimal number: 4B0  
    Convert to-  
    Decimal number: 1200