Assignment 31-March-2023

Submition Date 03-Apr-2023

Problem 1

Write a code to revrse a string. Take a string input from user. Print reverse of it. Input="ABC" Output=>"CBA"

Problem 2

Write a extention method to count the number of vowels in a string provided by user. Input1 => "RAJU" Output1 => 2

Input 2 => "Seema" Output 2=> 3

*Note : The code should be able to work with uppercase as well as lower case values.

Problem 3

In a list of names print the count/occurance of each name.

Input 1=> ["RAJ", "raj", "Avi","Kirti"] Output 1=> Raj - 2 Avi - 1 Kirti - 1

Problem 4

Write a AppMath class, which should implements Add, Substract, Multiplication, Division of integer as well as double/decimal values.

Also, input should not be retricted to 2 params

eg int Add(int a, int b); double Add(double a, double b); decimal Add(decimal a, decimal b);

input => Add(2,2,5,6,7) Output => 22

input => Multiplication(2,2,5) Output => (2*2*5)=> 20

Assignment 3-Apr-2023

Problem 1.

Write a program in C# Sharp to input a string and print it Test Data : Input the string : Welcome, w3resource Expected Output : The string you entered is : Welcome, w3resource

Problem 2.

Write a program in C# Sharp to find the length of a string without using library function.
Test Data : Input the string : w3resource.com Expected Output : Length of the string is : 15

Problem 3.

Write a program in C# Sharp to separate the individual characters from a string. Test Data : Input the string : w3resource.com Expected Output : The characters of the string are : w 3 r e s o u r c e . c o m

Problem 4.

Write a program in C# Sharp to print individual characters of the string in reverse order. Test Data : Input the string : w3resource.com Expected Output : The characters of the string in reverse are :

m o c . e c r u o s e r 3 w

Problem 5.

Write a program in C# Sharp to count a total number of alphabets, digits and special characters in a string. Test Data : Input the string : Welcome to w3resource.com Expected Output : Number of Alphabets in the string is : 21 Number of Digits in the string is : 1 Number of Special characters in the string is : 4

Assignment 10-Apr-2023

(Anmol) Problem 1:

Do a basic I/O file operation including creating , writing , opening and reading the file. ## Problem 2 Write a function to append a line to a text file.

Assignment 12-Apr-2023

Problem 1

Finish Simple calculator add more operations (* , / , Mod(%))

Assignment 24-Apr-2023(Anmol)

Problem 1

Abstract Classes The firm hires only two types of employees- either driver or developer. Now, you have to develop a software to store the information about them. Exp out : Salary of developer : 5000 Salary of driver : 3000

Problem 2

calculate area and perimeter of rectangle and square using interface method class Exp out : Rectangle : Area : 28 Perimeter : 22 Square : Area : 16 Perimeter : 16

Problem 3

Write a program to print pattern using Nested Loop Exp out : 1 2 1 2 3 1 2 3 4 1 2 3 4 5

Problem 4

Using different inner and outer nested loops print the pattern Exp out : 1 2 2 3 3 3 4 4 4 4 5 5 5 5 5

Assignment 28-Apr-2023

Problem 1

Create a MDI Form application. Application should connect to SQLite file or db. Database will have only 1 table called "MyExpense"

Id	ExpeneItem	ExpenseDate	ExpenseAmount
1	Food	23-Apr-2023	300.56

Application should be able to View all expenes in a grid and user can add, update, delete any expense. # ADO.NET Assignments from Anmol ## Problem 2
Research and explain the key components of ADO.NET, including the DataSet, DataReader, and Connection objects. Write a summary of your findings and present it to the class. ## Problem 3
Discuss the benefits and limitations of using ADO.NET versus other data access technologies, such as Entity Framework or LINQ to SQL. ## Problem 4 Research the differences between connected and disconnected data access in ADO.NET, and provide examples of when each approach might be appropriate. Write a summary of your findings.

Assignment 12-May-2023 (Anmol)

Problem 1:

Create and use a singlecast delegate. ## Problem 2: Create and use a multicast delegate. ## Problem 3: Create using an anonymous delegate.