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TU roll number: 20788/075

Lab Number: 01

Submission date: 16th May, 2022

Contents:

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1	Program that places double quotation around each word on a string
2	Implementation of array of structures
3	Implementation of class
4	Implementation of function overloading
5	Implementation of constructor method of a class
6	Implementation of single inheritance
7	Implementation of multiple inheritance using interface
8	Implementation of multilevel inheritance

Instructor: Dipendra KM

Remarks:

C#

C# (C-Sharp) is a programming language developed by Microsoft that runs on the .NET Framework. It is used to develop web apps, desktop apps, mobile apps, games and much more.

String

In C#, string is a sequence of Unicode characters or array of characters. The range of Unicode characters will be U+0000 to U+FFFF. The array of characters is also termed as the text. A string is represented by class System.String. So string is an object of System.String class.

Array

An array is a group of like-typed variables that are referred to by a common name. And each data item is called an element of the array. An array of structures means each array index contains structure as a value.

Class and Object

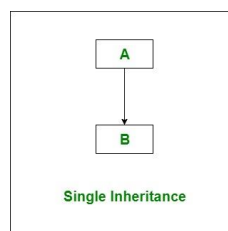
Class and Object are the basic concepts of Object-Oriented Programming which revolve around the real-life entities. A class is a user-defined blueprint or prototype from which objects are created. Basically, a class combines the fields and methods(member function which defines actions) into a single unit. In C#, classes support polymorphism, inheritance and also provide the concept of derived classes and base classes.

Inheritance

Inheritance is an important pillar of OOP(Object Oriented Programming). It is the mechanism in C# by which one class is allowed to inherit the features(fields and methods) of another class. The class whose features are inherited is known as super class(or a base class or a parent class). The class that inherits the other class is known as subclass(or a derived class, extended class, or child class). The subclass can add its own fields and methods in addition to the superclass fields and methods.

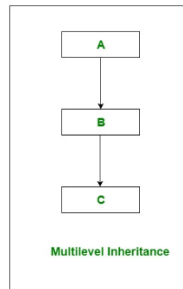
Types of Inheritance

1. Single Inheritance: In single inheritance, subclasses inherit the features of one superclass. In image below, the class A serves as a base class for the derived class B.

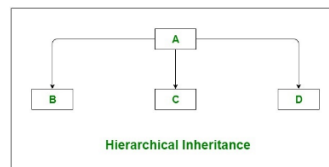


2. Multilevel Inheritance: In Multilevel Inheritance, a derived class will be inheriting a base class and as well as the derived class also act as the base class to other class. In

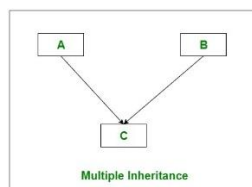
below image, class A serves as a base class for the derived class B, which in turn serves as a base class for the derived class C.



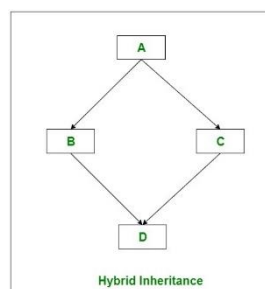
3. Hierarchical Inheritance: In Hierarchical Inheritance, one class serves as a superclass (base class) for more than one subclass. In below image, class A serves as a base class for the derived class B, C, and D.



4. Multiple Inheritance(Through Interfaces): In Multiple inheritance, one class can have more than one superclass and inherit features from all parent classes. Please note that C# does not support multiple inheritance with classes. In C#, we can achieve multiple inheritance only through Interfaces. In the image below, Class C is derived from interface A and B.



5. Hybrid Inheritance(Through Interfaces): It is a mix of two or more of the above types of inheritance. Since C# doesn't support multiple inheritance with classes, the hybrid inheritance is also not possible with classes. In C#, we can achieve hybrid inheritance only through Interfaces.



Lab no: 1.1

Date: 16th May, 2022

Name: Abhinna Ojha

TU Roll no: 20788/075

Title: Write a console application that places double quotation marks around each word in a string.

Source code

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace OIC
{
    public static class Words
    {
        static void Main()
        {
            string word_list;
            Console.WriteLine("abhinna question 1");
            Console.WriteLine("Enter list of words to quote: ");
            Console.WriteLine("\n\n");
            word_list = Console.ReadLine();
            Console.WriteLine("\n\n");
            int w_len = word_list.Length;
            Console.WriteLine("");
            for (int i = 0; i < w_len; i++)
            {
                if (word_list[i] == ' ')
                {
                    Console.WriteLine("\n\n");
                    continue;
                }
                Console.WriteLine(word_list[i]);
            }
            Console.WriteLine("");
            Console.WriteLine("\n\n");
        }
    }
}
```

Output

```
Microsoft Visual Studio Debug Console
abhinna question 1
Enter list of words to quote:

the class was supposed to start three hours ago

"the" "class" "was" "supposed" "to" "start" "three" "hours" "ago"

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To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

```
Microsoft Visual Studio Debug Console
abhinna question 1
Enter list of words to quote:

my name is abhinna ojha and I am taking .Net Centric Computing course

"my" "name" "is" "abhinna" "ojha" "and" "I" "am" "taking" ".Net" "Centric" "Computing" "course"

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q1\q1\bin\Debug\net6.0\q1.exe (process 3056) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

```
Microsoft Visual Studio Debug Console
abhinna question 1
Enter list of words to quote:

The quick brown fox jumps over the lazy dog.

"The" "quick" "brown" "fox" "jumps" "over" "the" "lazy" "dog."

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q1\q1\bin\Debug\net6.0\q1.exe (process 4056) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

Lab no: 1.2

Date: 16th May, 2022

Name: Abhinna Ojha

TU Roll no: 20788/075

Title: Write an application that receives the Student Id, Student Name, Course Name, Date of Birth from a set of students. The application should also display the information of all the students once the data is entered. Implement this using an Array of Structures.

Source code

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace OIC
{
    public static class ArrayTask
    {
        public struct Student
        {
            private int studentID;
            private string studentName;
            private string courseName;
            private DateOnly studentDateOfBirth;
            public Student(int id, string name, string course, DateOnly dob)
            {
                studentID = id;
                studentName = name;
                courseName = course;
                studentDateOfBirth = dob;
            }
            public void display()
            {
                Console.WriteLine($"n-----\nStudent id is: {studentID}");
                Console.WriteLine($"Student name is: {studentName}");
                Console.WriteLine($"Course name is: {courseName}");
                Console.WriteLine($"Student date of birth is: {studentDateOfBirth}");
            }
        };
        static void Main()
```

```

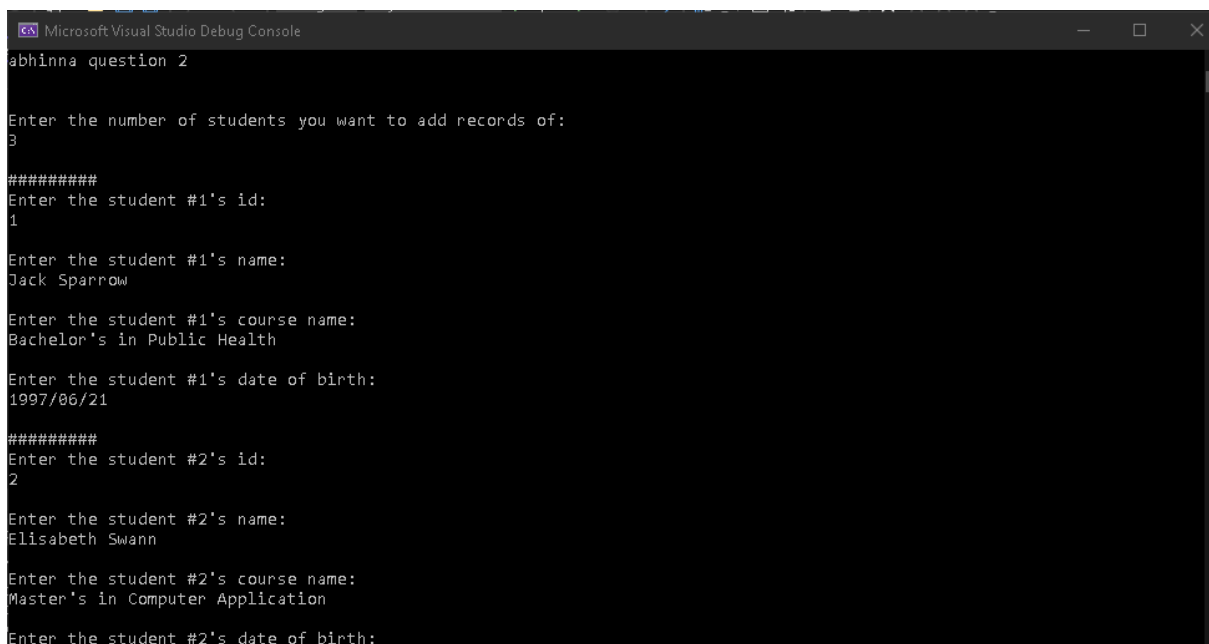
{
    int id, num, i;
    string name, course;
    DateOnly dob;
    Console.WriteLine("abhinna question 2\n");
    Console.WriteLine("\nEnter the number of students you want to add records of: ");
    num = int.Parse(Console.ReadLine());
    Student[] student = new Student[num];
    for (i = 0; i < num; i++)
    {
        Console.WriteLine($"\\n#####\\nEnter the student #{i + 1}'s id: ");
        id = int.Parse(Console.ReadLine());
        Console.WriteLine($"\\nEnter the student #{i + 1}'s name: ");
        name = (Console.ReadLine());
        Console.WriteLine($"\\nEnter the student #{i + 1}'s course name: ");
        course = (Console.ReadLine());
        Console.WriteLine($"\\nEnter the student #{i + 1}'s date of birth: ");
        dob = DateOnly.Parse((Console.ReadLine()));

        student[i] = new Student(id, name, course, dob);
    }

    Console.WriteLine($"\\n\\n#####\\nDisplaying student #{i + 1}:");
    for (i = 0; i < num; i++)
        student[i].display();
    }
}
}

```

Output



```

Microsoft Visual Studio Debug Console
abhinna question 2

Enter the number of students you want to add records of:
3

#####
Enter the student #1's id:
1

Enter the student #1's name:
Jack Sparrow

Enter the student #1's course name:
Bachelor's in Public Health

Enter the student #1's date of birth:
1997/06/21

#####
Enter the student #2's id:
2

Enter the student #2's name:
Elisabeth Swann

Enter the student #2's course name:
Master's in Computer Application

Enter the student #2's date of birth:

```

```
Microsoft Visual Studio Debug Console

Enter the student #2's date of birth:
1995/12/13

#####
Enter the student #3's id:
3

Enter the student #3's name:
William Turner

Enter the student #3's course name:
Bachelor's in Computer Science and Information Technology

Enter the student #3's date of birth:
1996/04/18

#####
Displaying student #4:

-----
Student id is: 1
Student name is: Jack Sparrow
Course name is: Bachelor's in Public Health
Student date of birth is: 1997-06-21

-----
Student id is: 2
Student name is: Elisabeth Swann
Course name is: Master's in Computer Application
```

```
Microsoft Visual Studio Debug Console

#####
Displaying student #4:

-----
Student id is: 1
Student name is: Jack Sparrow
Course name is: Bachelor's in Public Health
Student date of birth is: 1997-06-21

-----
Student id is: 2
Student name is: Elisabeth Swann
Course name is: Master's in Computer Application
Student date of birth is: 1995-12-13

-----
Student id is: 3
Student name is: William Turner
Course name is: Bachelor's in Computer Science and Information Technology
Student date of birth is: 1996-04-18

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab_001\q2\q2\bin\Debug\net6.0\q2.exe (process 14020) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```


Lab no: 1.3

Date: 16th May, 2022

Name: Abhinna Ojha

TU Roll no: 20788/075

Title: Write a program to declare a class “staff” having data members as name and post. Accept this data 5 for 5 staffs and display names of staff who are HOD.

Source code

```
using System;
namespace OIC
{
    public class Staff {
        private string name;
        private string post;

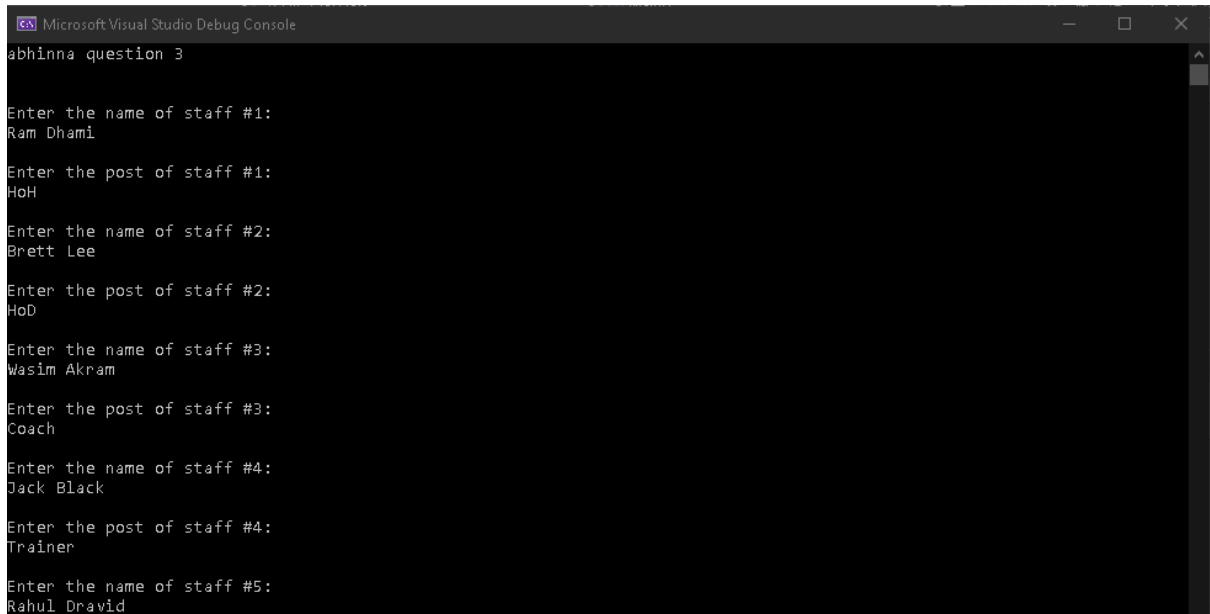
        public Staff(string name, string post) {
            this.name = name;
            this.post = post;
        }
        public string ReturnPost() {
            return post;
        }
        public void Display() {
            Console.WriteLine($"Name: {name}");
            Console.WriteLine($"Post: {post}");
        }
    }
    public static class ClassTask {
        public static void Main() {
            Console.WriteLine("abhinna question 3\n");
            Staff[] staff = new Staff[5];
            for(int i = 0; i < 5; i++)
            {
                Console.WriteLine($"Enter the name of staff #{i + 1}:");
                string name = Console.ReadLine();
                Console.WriteLine($"Enter the post of staff #{i + 1}:");
                string post = Console.ReadLine();
                staff[i] = new Staff(name, post);
            }
            for (int i = 0; i < 5; i++)
            {
                if((staff[i].ReturnPost()).ToUpper() == "HOD")
```

```

        {
            Console.WriteLine($"\\nstaff #{i + 1}:"");
            staff[i].Display();
        }
    }
}
}
}
}

```

Output



```

Microsoft Visual Studio Debug Console
abhinna question 3

Enter the name of staff #1:
Ram Dhami

Enter the post of staff #1:
HoH

Enter the name of staff #2:
Brett Lee

Enter the post of staff #2:
HoD

Enter the name of staff #3:
Wasim Akram

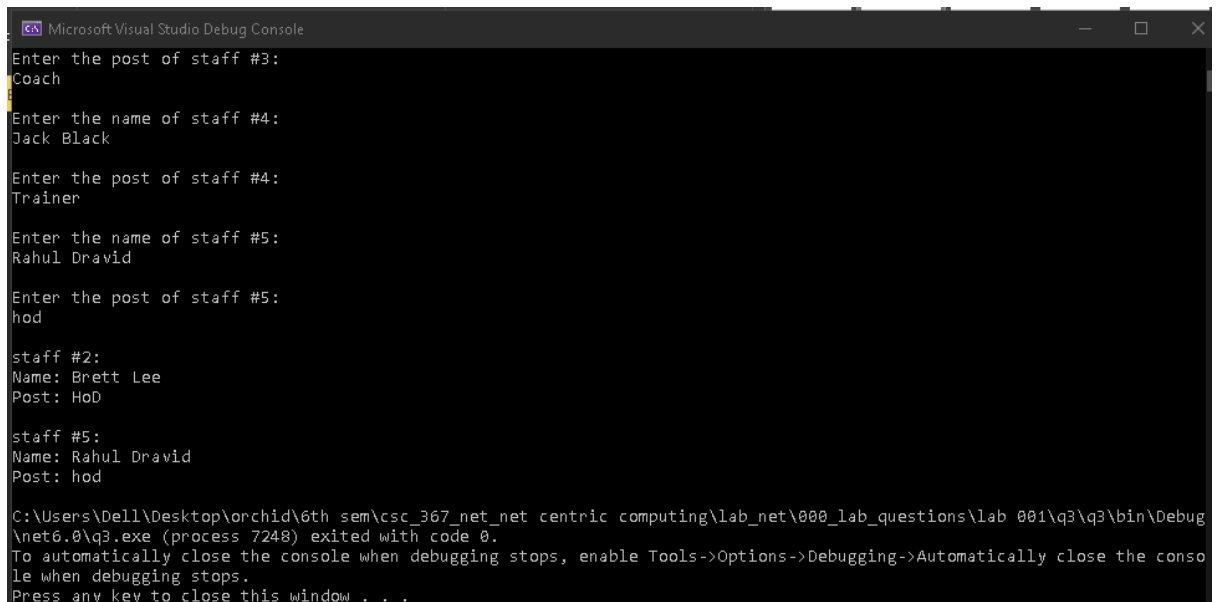
Enter the post of staff #3:
Coach

Enter the name of staff #4:
Jack Black

Enter the post of staff #4:
Trainer

Enter the name of staff #5:
Rahul Dravid

```



```

Microsoft Visual Studio Debug Console

Enter the post of staff #3:
Coach

Enter the name of staff #4:
Jack Black

Enter the post of staff #4:
Trainer

Enter the name of staff #5:
Rahul Dravid

Enter the post of staff #5:
hod

staff #2:
Name: Brett Lee
Post: HoD

staff #5:
Name: Rahul Dravid
Post: hod

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q3\q3\bin\Debug\net6.0\q3.exe (process 7248) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

```

Lab no: 1.4

Date: 16th May, 2022

Name: Abhinna Ojha

TU Roll no: 20788/075

Title: Write a program using function overloading to swap two integer numbers and swap two float numbers.

Source code

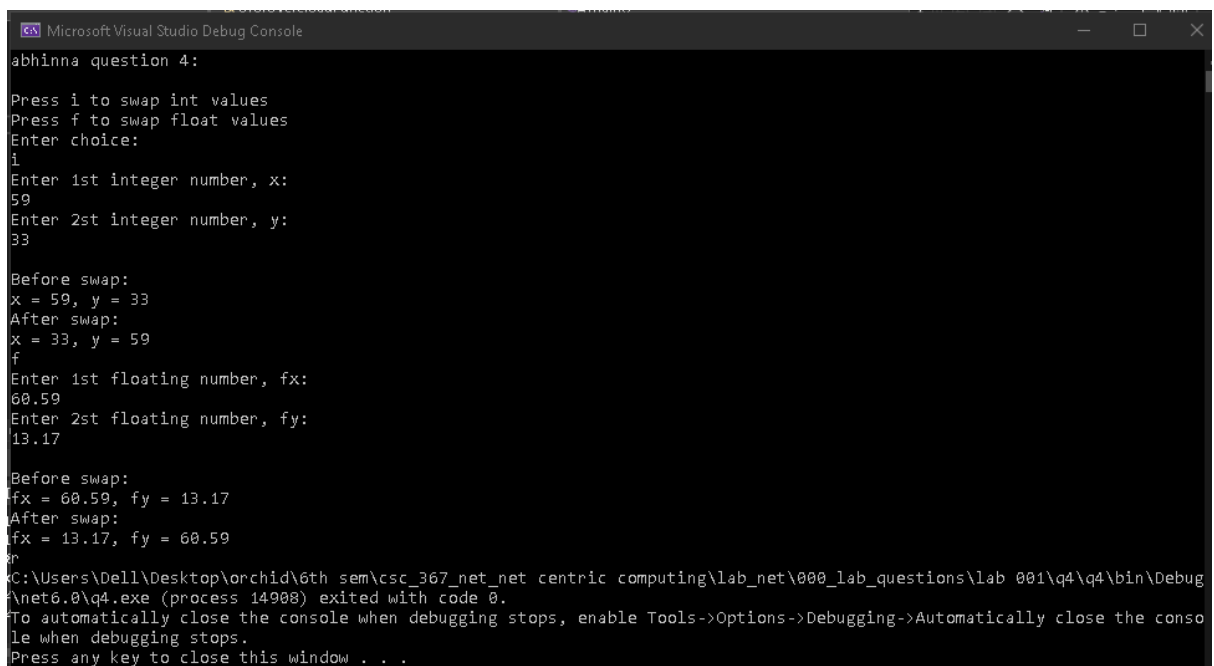
```
namespace OIC
{
    public static class OverloadFunction
    {
        static int t;
        static float tf;
        public static void swap(ref int a, ref int b)
        {
            t = a;
            a = b;
            b = t;
        }
        public static void swap(ref float a, ref float b)
        {
            tf = a;
            a = b;
            b = tf;
        }
    }
    static void Main()
    {
        Console.WriteLine("abhinna question 4:\n");
        bool choice = true;
        Console.WriteLine("Press i to swap int values");
        Console.WriteLine("Press f to swap float values");
        Console.WriteLine("Enter choice:");
        while(choice == true)
        {
            var c = Console.ReadKey();
            switch(c.Key)
            {
                case ConsoleKey.F:
                    Console.WriteLine("\nEnter 1st floating number, fx: ");
                    float fx = float.Parse(Console.ReadLine());
```

```

        Console.WriteLine("Enter 2st floating number, fy: ");
        float fy = float.Parse(Console.ReadLine());
        Console.WriteLine("\nBefore swap: ");
        Console.WriteLine($"fx = {fx}, fy = {fy}");
        Console.WriteLine("After swap: ");
        swap(ref fx, ref fy);
        Console.WriteLine($"fx = {fx}, fy = {fy}");
        break;
    case ConsoleKey.I:
        Console.WriteLine("\nEnter 1st integer number, x: ");
        int x = int.Parse(Console.ReadLine());
        Console.WriteLine("Enter 2st integer number, y: ");
        int y = int.Parse(Console.ReadLine());
        Console.WriteLine("\nBefore swap: ");
        Console.WriteLine($"x = {x}, y = {y}");
        Console.WriteLine("After swap: ");
        swap(ref x, ref y);
        Console.WriteLine($"x = {x}, y = {y}");
        break;
    default:
        choice = false;
        break;
    }
}
}
}
}
}

```

Output



```

Microsoft Visual Studio Debug Console
abhinna question 4:
Press i to swap int values
Press f to swap float values
Enter choice:
i
Enter 1st integer number, x:
59
Enter 2st integer number, y:
33

Before swap:
x = 59, y = 33
After swap:
x = 33, y = 59
f
Enter 1st floating number, fx:
60.59
Enter 2st floating number, fy:
13.17

Before swap:
fx = 60.59, fy = 13.17
After swap:
fx = 13.17, fy = 60.59
^n
C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q4\q4\bin\Debug\net6.0\q4.exe (process 14908) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

```

Lab no: 1.5

Date: 16th May, 2022

Name: Abhinna Ojha

TU Roll no: 20788/075

Title: Define a class “salary” which will contain member variable Basic, TA, DA, HRA. Write a program using Constructor with default values for DA and HRA and calculate the salary of employee.

Source code

```
using System;
namespace OIC
{
    class Salary
    {
        private double basic;
        private double TA;
        private double DA;
        private double HRA;

        public Salary(double basic, double ta, double da = 500.00, double hra = 15000.00)
        {
            this.basic = basic;
            TA = ta;
            DA = da;
            HRA = hra;
        }

        public double display()
        {
            return (basic + TA + DA + HRA);
        }

        static void Main()
        {
            Console.WriteLine("abhinna questiton 5");

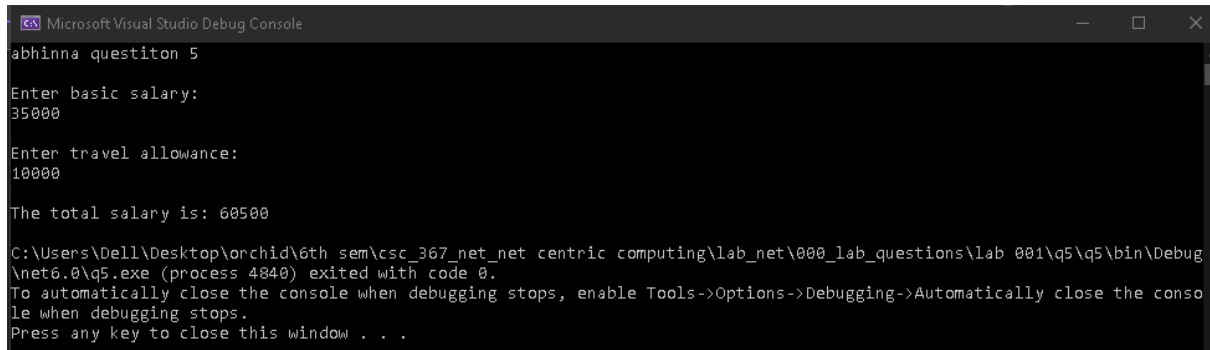
            Console.WriteLine("\nEnter basic salary:");
            double basic = double.Parse(Console.ReadLine());
            Console.WriteLine("\nEnter travel allowance:");
            double ta = double.Parse(Console.ReadLine());
```

```

        Salary salary = new Salary(basic, ta);
        Console.WriteLine($"The total salary is: {salary.display()}");
    }
}
}

```

Output



```

Microsoft Visual Studio Debug Console
abhinna questiton 5

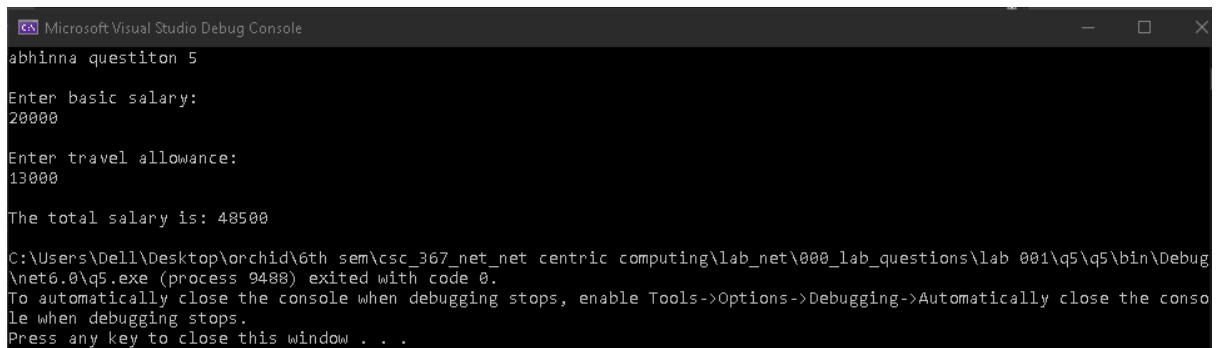
Enter basic salary:
35000

Enter travel allowance:
10000

The total salary is: 60500

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab_001\q5\q5\bin\Debug\net6.0\q5.exe (process 4840) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

```



```

Microsoft Visual Studio Debug Console
abhinna questiton 5

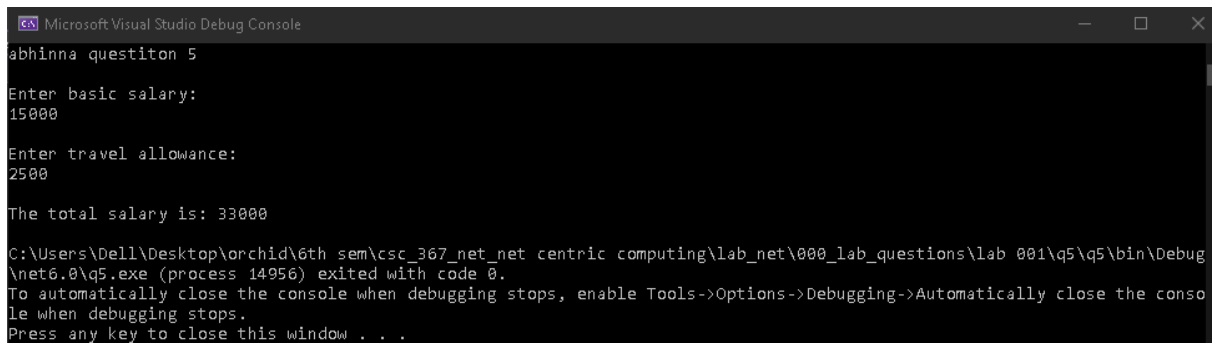
Enter basic salary:
20000

Enter travel allowance:
13000

The total salary is: 48500

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab_001\q5\q5\bin\Debug\net6.0\q5.exe (process 9488) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

```



```

Microsoft Visual Studio Debug Console
abhinna questiton 5

Enter basic salary:
15000

Enter travel allowance:
2500

The total salary is: 33000

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab_001\q5\q5\bin\Debug\net6.0\q5.exe (process 14956) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

```

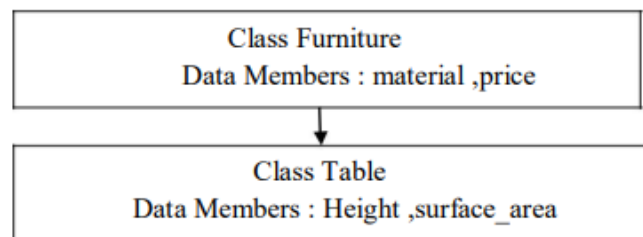
Lab no: 1.6

Date: 16th May, 2022

Name: Abhinna Ojha

TU Roll no: 20788/075

Title: Write a program to implement single inheritance from following figure. Accept and display data for one table:



Source code

```
namespace OIC
{
    class Furniture
    {
        protected string material;
        protected float price;

        public void setFurniture()
        {
            Console.WriteLine("Enter the furniture material: ");
            material = Console.ReadLine();
            Console.WriteLine("Enter the furniture price: ");
            price = float.Parse(Console.ReadLine());
        }

        public void getFurniture()
        {
            Console.WriteLine($"The furniture material is: {material}");
            Console.WriteLine($"The furniture price is: {price}");
        }
    }

    class Table : Furniture
    {
        private float height;
        private float surface_area;
```

```

public void setTable()
{
    setFurniture();
    Console.WriteLine("Enter the table height in cm: ");
    height = float.Parse(Console.ReadLine());
    Console.WriteLine("Enter the surface area of table in cm: ");
    surface_area = float.Parse(Console.ReadLine());
}

public void getTable()
{
    getFurniture();
    Console.WriteLine($"The table height is: {height} cm");
    Console.WriteLine($"The table surface area is: {surface_area} sq cm");
}

}

class InheritanceTask
{
    static void Main()
    {
        Console.WriteLine("abhinna question 6");

        Table table = new Table();
        Console.WriteLine("\nreading table data:");
        table.setTable();
        Console.WriteLine("\ndisplaying table data:");
        table.getTable();
    }
}

```


Output

```
Microsoft Visual Studio Debug Console

abhinna question 6

reading table data:
Enter the furniture material:
Sal wood
Enter the furniture price:
35000
Enter the table height in cm:
80
Enter the surface area of table in cm:
30000

displaying table data:
The furniture material is: Sal wood
The furniture price is: 35000
The table height is: 80 cm
The table surface area is: 30000 sq cm

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q6\q6\bin\Debug\net6.0\q6.exe (process 12108) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

```
Microsoft Visual Studio Debug Console

abhinna question 6

reading table data:
Enter the furniture material:
Sisau wood
Enter the furniture price:
5000
Enter the table height in cm:
100
Enter the surface area of table in cm:
45000

displaying table data:
The furniture material is: Sisau wood
The furniture price is: 5000
The table height is: 100 cm
The table surface area is: 45000 sq cm

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q6\q6\bin\Debug\net6.0\q6.exe (process 2244) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

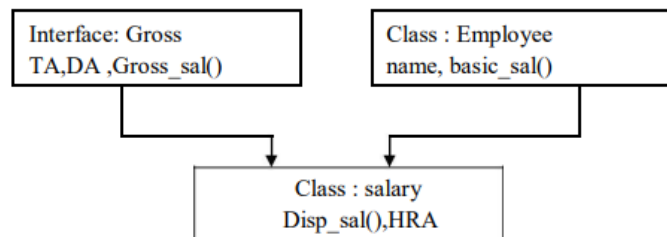
Lab no: 1.7

Date: 16th May, 2022

Name: Abhinna Ojha

TU Roll no: 20788/075

Title: Program to implement the following multiple inheritance using interface.



Source code

```
namespace OIC
{
    interface Gross
    {
        public float TA();
        public float DA();
        public float Gross_sal();
    }

    class Employee
    {
        protected string name;

        public Employee()
        {
            Console.WriteLine("Enter the name of employee: ");
            string name = Console.ReadLine();
        }
        public float basic_sal()
        {
            Console.WriteLine("Enter the basic salary: ");
            float sal = float.Parse(Console.ReadLine());
            return sal;
        }
    }

    class salary: Employee, Gross
    {
```

```

public float TA()
{
    Console.WriteLine("Enter the travel allowance: ");
    float ta = float.Parse(Console.ReadLine());
    return ta;
}
public float DA()
{
    Console.WriteLine("Enter the daily allowance: ");
    float da = float.Parse(Console.ReadLine());
    return da;
}
public float Gross_sal()
{
    float gross = basic_sal() + TA() + DA();
    return gross;
}
}

class MainProgram
{
    static void Main()
    {
        Console.WriteLine("abhinna question 7\n");

        salary s = new salary();
        Console.WriteLine($"Gross salary is: {s.Gross_sal()}");

    }
}

```

Output

```
Microsoft Visual Studio Debug Console

abhinna question 7

Enter the name of employee:
Ram Dhami
Enter the basic salary:
25000
Enter the travel allowance:
5000
Enter the daily allowance:
4000

Gross salary is: 34000

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q7\q7\bin\Debug\net6.0\q7.exe (process 14480) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

```
Microsoft Visual Studio Debug Console

abhinna question 7

Enter the name of employee:
Jack Sparrow
Enter the basic salary:
34000
Enter the travel allowance:
13000
Enter the daily allowance:
5000

Gross salary is: 52000

C:\Users\Dell\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q7\q7\bin\Debug\net6.0\q7.exe (process 10492) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

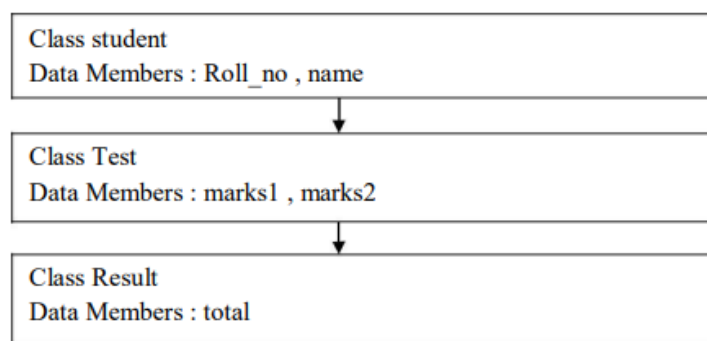
Lab no: 1.8

Date: 16th May, 2022

Name: Abhinna Ojha

TU Roll no: 20788/075

Title: Write a program to implement multilevel inheritance from following figure. Accept and display data for one student.



Source code

```
namespace OIC
{
    class student
    {
        public int roll;
        public string name;

        public void setstudent()
        {
            Console.WriteLine("\nEnter the name of student: ");
            name = Console.ReadLine();
            Console.WriteLine("\nEnter the roll number of student: ");
            roll = int.Parse(Console.ReadLine());
        }
        public void getstudent()
        {
            Console.WriteLine($"Roll no: {roll}, {name}\n");
        }
    }

    class Test: student
    {
        protected int marks1;
```

```

protected int marks2;

public void setTest()
{
    Console.Write("\nEnter the marks of: ");
    getstudent();
    Console.WriteLine("Enter the marks on subject 1: ");
    marks1 = int.Parse(Console.ReadLine());
    Console.WriteLine("Enter the marks on subject 2: ");
    marks2 = int.Parse(Console.ReadLine());
}

public void getTest()
{
    Console.WriteLine($"Marks on subuject 1: {marks1}");
    Console.WriteLine($"Marks on subuject 2: {marks2}");
}
}

class Result: Test
{
    private int total;

    public void setResult()
    {
        setstudent();
        setTest();

        total = marks1 + marks2;
    }

    public void getResult()
    {
        getstudent();
        getTest();
        Console.WriteLine($"Total marks: {total}");
        Console.WriteLine($"Percentage: {total / 2}%");
    }
}

static class MainProgram
{
    static void Main()
    {
        Console.WriteLine("abhinna question 8\n");

        Result result = new Result();
        result.setResult();
        result.getResult();
    }
}

```

Output

```
Microsoft Visual Studio Debug Console
abhinna question 8

Enter the name of student:
Sita Dulal

Enter the roll number of student:
32

Enter the marks of: Roll no: 32, Sita Dulal
Enter the marks on subject 1:
78
Enter the marks on subject 2:
67
Roll no: 32, Sita Dulal
Marks on subuject 1: 78
Marks on subuject 2: 67
Total marks: 145
Percentage: 72%

C:\Users\De11\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q8\q8\bin\Debug\net6.0\q8.exe (process 16448) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

```
Microsoft Visual Studio Debug Console
abhinna question 8

Enter the name of student:
Hari Sadu

Enter the roll number of student:
97

Enter the marks of: Roll no: 97, Hari Sadu
Enter the marks on subject 1:
45
Enter the marks on subject 2:
36
Roll no: 97, Hari Sadu
Marks on subuject 1: 45
Marks on subuject 2: 36
Total marks: 81
Percentage: 40%

C:\Users\De11\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q8\q8\bin\Debug\net6.0\q8.exe (process 1852) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

```
Microsoft Visual Studio Debug Console
abhinna question 8

Enter the name of student:
John Malkovich

Enter the roll number of student:
45

Enter the marks of: Roll no: 45, John Malkovich
Enter the marks on subject 1:
89
Enter the marks on subject 2:
96
Roll no: 45, John Malkovich
Marks on subuject 1: 89
Marks on subuject 2: 96
Total marks: 185
Percentage: 92%

C:\Users\De11\Desktop\orchid\6th sem\csc_367_net_net centric computing\lab_net\000_lab_questions\lab 001\q8\q8\bin\Debug\net6.0\q8.exe (process 12232) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```