

# C# and .NET

## Assignment 1

1. Develop the C# program to initialize two dimensional array and print all the elements of the array on the same line separated with space.

**Aim:**

To initialize and print a 2D array with line separated by space.

**Program:**

```
using  
System;  
class  
Program  
{  
    static void Main()  
    {  
        int[,] array = {  
            { 1, 2, 3 },  
            { 4, 5, 6 },  
            { 7, 8, 9 }  
        };  
        foreach (int element in array)  
        {  
            Console.Write(element + " ");  
        }  
    }  
}
```

```
        Console.WriteLine();  
    }  
}
```

The screenshot shows the OnlineGDB IDE interface. On the left, there's a sidebar with options like 'My Projects', 'Classroom new', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. The main area has tabs for 'main.cs' and 'Output'. The code in 'main.cs' is:

```
1 using System;
2
3 class Program
4 {
5     static void Main()
6     {
7         int[,] array =
8             {
9                 { 1, 2, 3 },
10                { 4, 5, 6 },
11                { 7, 8, 9 }
12            };
13            foreach (int element in array)
14            {
15                Console.Write(element + " ");
16            }
17            Console.WriteLine();
18        }
19    }
```

The 'Output' tab shows the console output:

```
1 2 3 4 5 6 7 8 9
...Program finished with exit code 0
Press ENTER to exit console.
```

## Output:

1 2 3 4 5 6 7 8 9

2. Aravind wants to apply for competitive exam. He needs to know whether he is eligible to apply. The eligibility criteria is given below:

- Age should be greater than 18 years, but not more than 30.
- The candidate should have passed 10 std with a minimum pass percentage of 65.

Design the C# program to help him to know his eligibility. If the criteria gets satisfied, print he is eligible else print he is not eligible.

## Aim:

To determine and print whether a person named Aravind is eligible to apply for a competitive exam based on their age and 10th standard pass percentage.

## Program:

using

System;

class

Program

{

static void Main()

{

```
Console.WriteLine("Enter Aravind's age:  
"); int age =  
  
int.Parse(Console.ReadLine());  
  
Console.WriteLine("Enter Aravind's 10th std pass  
percentage: "); double passPercentage =  
double.Parse(Console.ReadLine()); bool isEligible =  
CheckEligibility(age, passPercentage);  
  
if (isEligible)  
{  
    Console.WriteLine("Aravind is eligible for the competitive exam.");  
}  
  
else  
{  
    Console.WriteLine("Aravind is not eligible for the competitive exam.  
");  
}  
}  
  
static bool CheckEligibility(int age, double passPercentage)  
{  
    return (age > 18 && age <= 30) && (passPercentage >= 65);  
}
```

}

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main.cs

```
1 using System;
2
3 class Program
4 {
5     static void Main()
6     {
7         Console.WriteLine("Enter Aravind's age: ");
8         int age = int.Parse(Console.ReadLine());
9         Console.WriteLine("Enter Aravind's 10th std pass percentage: ");
10        double passPercentage = double.Parse(Console.ReadLine());
11        bool isEligible = CheckEligibility(age, passPercentage);
12        if (isEligible)
13        {
14            Console.WriteLine("Aravind is eligible for the competitive exam.");
15        }
16        else
17        {
18            Console.WriteLine("Aravind is not eligible for the competitive exam.");
19        }
20    }
21    static bool CheckEligibility(int age, double passPercentage)
22    {
23        return (age > 18 && age <= 30) && (passPercentage >= 65);
24    }
25
26
27 }
```

input

```
Enter Aravind's age: 22
Enter Aravind's 10th std pass percentage: 90
Aravind is eligible for the competitive exam.

...Program finished with exit code 0
Press ENTER to exit console.
```

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**Input:**

Enter Aravind's age: 22

Enter Aravind's 10th std pass percentage: 90

**Output:**

Aravind is eligible for competitive exam.

3. Design the C# console application named validation to get mobile number as input from the user. Validate the mobile number with the following cases:

- The first four numbers must be followed by then followed by next six numbers(eg:9894-256874)
- Should contain only numbers
- Should be of length 10.
- The first number should start only with 9 Or 8.

**Aim:**

To validate and print whether a given mobile number is valid or not.

**Program:**

```
using System;  
using System.Text.RegularExpressions;  
  
class Validation  
{  
    static void Main()  
    {  
        Console.WriteLine("Enter mobile number :  
"); string mobileNumber =
```

```
Console.ReadLine();

if (IsValidMobileNumber(mobileNumber))
{
    Console.WriteLine("Valid mobile number.");
}
```

```
        }

        else

        {

            Console.WriteLine("Invalid mobile number.");
        }
    }

static bool IsValidMobileNumber(string mobileNumber)

{

    string pattern =


        @"^ [98]\d{3}-\d{6}$"; Regex regex

        = new Regex(pattern);

    if (regex.IsMatch(mobileNumber))

    {

        return true;

    }

    return false;
}

}
```

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main.cs

```
1 using System;
2 using System.Text.RegularExpressions;
3
4 class Validation
5 {
6     static void Main()
7     {
8         Console.Write("Enter mobile number : ");
9         string mobileNumber = Console.ReadLine();
10
11         if (IsValidMobileNumber(mobileNumber))
12         {
13             Console.WriteLine("Valid mobile number.");
14         }
15         else
16         {
17             Console.WriteLine("Invalid mobile number.");
18         }
19     }
20     static bool IsValidMobileNumber(string mobileNumber)
21     {
22         string pattern = @"^[\d]{3}-\d{6}$";
23         Regex regex = new Regex(pattern);
24         if (regex.IsMatch(mobileNumber))
25         {
26             return true;
27         }
28         return false;
29     }
}
```

input

```
Enter mobile number : 9345-618044
Valid mobile number.

...Program finished with exit code 0
Press ENTER to exit console.
```

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**Input:**

Enter mobile number : 9345-618044

**Output:**

Valid mobile number.

4. Write the missing code snippets and the statements in the C# program given below.

```
Class person {  
    _____name;  
    _____age;  
    _____weight;  
  
Void printperson() {  
    // write the code to print name, age and weight of a person  
}  
}  
  
Class persondata {  
    Static void Main(string[] args)  
    { person_____ = _____;  
        _____.name = "Kannan";  
        _____.age = 19;  
        _____.weight = 58;  
        // write the statement to access printperson() function  
    }  
}
```

**Aim:**

To create a Person class, instantiate it, and print out the person's name, age, and weight using a method.

## Program:

```
using System;

class Person
{
    public string name;
    public int age;
    public double weight;
    public void PrintPerson()
    {
        Console.WriteLine("Name: " +
            name); Console.WriteLine("Age: " +
            age); Console.WriteLine("Weight: " +
            + weight);
    }
}

class PersonData
{
    static void Main(string[] args)
    {
        Person person = new Person();
        person.name = "Kannan";
        person.age = 19;
        person.weight = 58;
        person.PrintPerson();
    }
}
```

}

}

The screenshot shows the OnlineGDB IDE interface. On the left, there's a sidebar with links like 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. The main area has tabs for 'Run', 'Debug', 'Stop', 'Share', 'Save', 'Beautify', and language selection ('Language: C#'). The code editor window contains 'main.cs' with the following C# code:

```
1 using System;
2
3 class Person
4 {
5     public string name;
6     public int age;
7     public double weight;
8     public void PrintPerson()
9     {
10        Console.WriteLine("Name: " + name);
11        Console.WriteLine("Age: " + age);
12        Console.WriteLine("Weight: " + weight);
13    }
14}
15 class PersonData
16 {
17     static void Main(string[] args)
18     {
19         Person person = new Person();
20         person.name = "Kannan";
21         person.age = 19;
22         person.weight = 58;
23         person.PrintPerson();
24     }
25 }
```

The output window below shows the program's output:

```
Name: Kannan
Age: 19
Weight: 58
```

At the bottom, it says 'Program finished with exit code 0' and 'Press ENTER to exit console.'

## Output:

Name:Kann

an Age:19

Weight:58

5. A hospital wants to create a console application to maintain its impatient details. The information to store includes:

- Name of the patient
- Date of admission
- Age of patient
- Disease
- Date of discharge
- Total bills paid

Design the C# program with the class name patient with necessary data members to store the above information. The class should have two member functions, one to get the patients information and other to display the information. Create a main class called hospital to create necessary instances, methods calling statements and display all the details about the patient.

**Aim:**

To create a Patient class, collect patient information through user input,

and display the collected information using methods.

## **Program:**

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

class Patient
{
    private string name;
    private DateTime dateOfAdmission; private int age;
    private string disease;
    private DateTime dateOfDischarge; private
    decimal totalBillsPaid; public
    void GetPatientInfo()
    {
        Console.WriteLine("Enter Patient Name:");
        name = Console.ReadLine();

        Console.WriteLine("Enter Date of Admission (yyyy-mm-dd): ");
        dateOfAdmission = DateTime.Parse(Console.ReadLine());

        Console.WriteLine("Enter Age of Patient: ");
        age =
            int.Parse(Console.ReadLine());

        Console.WriteLine("Enter Disease: ");
```

```
disease = Console.ReadLine();

Console.WriteLine("Enter Date of Discharge (yyyy-mm-dd): ");

dateOfDischarge = DateTime.Parse(Console.ReadLine());

Console.WriteLine("Enter Total Bills Paid: ");

totalBillsPaid = decimal.Parse(Console.ReadLine());

}
```

```
public void DisplayPatientInfo()
{
    Console.WriteLine("\nPatient
Details"); Console.WriteLine($"Name:
{name}"); Console.WriteLine($"Date
of Admission:
{dateOfAdmission.ToString("dd/MM/yyyy")}");
    Console.WriteLine($"Age: {age}");
    Console.WriteLine($"Disease:
{disease}"); Console.WriteLine($"Date
of Discharge:
{dateOfDischarge.ToString("dd/MM/yyyy")}");
    Console.WriteLine($"Total Bills Paid: {totalBillsPaid:C}");
}

}

class Program
{
    static void Main(string[] args)
    {
        Patient patient = new Patient();
        patient.GetPatientInfo();
        patient.DisplayPatientInfo();

        Console.WriteLine("\nPress any key to exit.
.."); Console.ReadKey();
    }
}
```

The screenshot shows the OnlineGDB IDE interface. The code editor window contains a C# file named 'main.cs' with the following code:

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6 class Patient
7 {
8     private string name;
9     private DateTime dateOfAdmission;
10    private int age;
11    private string disease;
12    private DateTime dateOfDischarge;
```

The 'input' section shows the user's input:

```
Enter Patient Name: Sandhiya
Enter Date of Admission (yyyy-mm-dd): 2023-12-12
Enter Age of Patient: 19
Enter Disease: Fever
Enter Date of Discharge (yyyy-mm-dd): 2023-12-29
Enter Total Bills Paid: 5000
```

The 'output' section displays the program's output:

```
Patient Details:
Name: Sandhiya
Date of Admission:
12/12/2023
Age: 19
Disease: Fever
Date of Discharge:
12/29/2023
Total Bills Paid: $5,000.00

Press any key to exit...
g

...Program finished with exit code 0
Press ENTER to exit console.
```

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## Input:

Enter Patient Name:Sandhiya

Enter Date of Admission (yyyy-mm-dd): 2023-12-

12 Enter Age of Patient: 19

Enter Disease: Fever

Enter Date of Discharge (yyyy-mm-dd):

2023-12-29 Enter Total Bills Paid: 5000

## Output:

Patient Details:

Name: Sandhiya

Date of Admission: 12/12/2023

Age: 19

Disease: Fever

Date of Discharge: 29/12/2023

Total Bills Paid: \$5000

Press any key to

exit... g

6. Implement the C# code to get two vector number as input, add them and print the sum as another vector. Make use of operator overloading to perform addition of vector numbers.

#### Aim:

To create a Vector class, overload the '+' operator to add two vectors, and demonstrate vector addition by taking user input for two vectors and displaying their sum.

#### Program:

```
using System;

class Vector
{
    public int X { get;
        set; } public int Y {
        get; set; } public
        Vector(int x, int y)
    {
        X = x;
        Y = y;
    }

    public static Vector operator +(Vector v1, Vector v2)
```

```
{  
    return new Vector(v1.X + v2.X, v1.Y + v2.Y);  
}  
  
public override string ToString()  
{  
    return $"({X}, {Y});
```

```
}

}

class Program

{

    static void Main()

    {

        Console.WriteLine("Enter the components for the first vector:");

        Console.Write("X1: ");

        int x1 =

            int.Parse(Console.ReadLine());

        Console.Write("Y1: ");

        int y1 = int.Parse(Console.ReadLine());

        Console.WriteLine("Enter the components for the second vector:");

        Console.Write("X2: ");

        int x2 =

            int.Parse(Console.ReadLine());

        Console.Write("Y2: ");

        int y2 = int.Parse(Console.ReadLine());


        Vector v1 = new Vector(x1,

            y1); Vector v2 = new

            Vector(x2, y2); Vector result

            = v1 + v2;

        Console.WriteLine("The sum of the vectors is: " + result);

    }

}
```

The screenshot shows the OnlineGDB IDE interface. The code editor contains the following C# code:

```
1 using System;
2
3 class Vector
4 {
5     public int X { get; set; }
6     public int Y { get; set; }
7
8     public Vector(int x, int y)
9     {
10         X = x;
11         Y = y;
12     }
13     public static Vector operator +(Vector v1, Vector v2)
14     {
15         return new Vector(v1.X + v2.X, v1.Y + v2.Y);
16     }
17     public override string ToString()
18     {
19         return $"({X}, {Y})";
20     }
21 }
22 class Program
23 {
24 }
```

The output window shows the program's execution:

```
Enter the components for the first vector:
X1: 4
Y1: 5
Enter the components for the second vector:
X2: 6
Y2: 7
The sum of the vectors is: (10, 12)

...Program finished with exit code 0
Press ENTER to exit console.
```

## Input:

Enter the components for the first vector:

X1:4

Y1:5

Enter the components for the second vector:

X2:6

Y2:7

## Output:

The sum of the vectors is: (10, 12)

7. Create the class student with necessary members to maintain the basic details of a student such as name, age, address and mobile number. Add method getDate() to read the basic details and printData() to print the details of the student. Inherit the student class into the sub class called studentmark with necessary members to

maintain student mark details. Override the `getData()` and `printData()` in student mark class to read mark details and print the marks, respectively. Also, define a method to find the grade of the student based on his/her marks. Design the student main class

**to access the member of both the classes in C#.**

**Aim:**

To create a Student class and a derived StudentMark class, which inherits and extends the base class to include mark details, calculates grades based on marks, and demonstrates polymorphism through overridden methods.

**Program:**

```
using System;

public class Student
{
    public string Name { get;
        set; } public int Age { get;
        set; }

    public string Address { get; set; }

    public string MobileNumber { get;
        set; } public virtual void GetData()
    {
        Console.WriteLine("Enter student
details:"); Console.Write("Name: ");
        Name = Console.ReadLine();
        Console.Write("Age: ");
        Age =
        int.Parse(Console.ReadLine());
        Console.Write("Address: ");
```

```
Address = Console.ReadLine();

Console.WriteLine("Mobile Number: ");

MobileNumber =

Console.ReadLine();

}

public virtual void PrintData()

{

Console.WriteLine("Student

Details:");

Console.WriteLine($"Name:

{Name}");
```

```
        Console.WriteLine($"Age: {Age}");

        Console.WriteLine($"Address: {Address}");

        Console.WriteLine($"Mobile Number: {MobileNumber}");

    }

}

public class StudentMark : Student

{

    public int MathsMarks { get; set; }

    public int ScienceMarks { get;

    set; } public int EnglishMarks {

    get; set; } public override void

GetData()

{

    base.GetData();

    Console.WriteLine("Enter marks

details:"); Console.Write("Maths Marks:

"); MathsMarks =

int.Parse(Console.ReadLine());

    Console.Write("Science Marks: ");

    ScienceMarks =

int.Parse(Console.ReadLine());

    Console.Write("English Marks: ");

    EnglishMarks =

int.Parse(Console.ReadLine());

}

public override void PrintData()
```

```
{  
  
    base.PrintData();  
  
    Console.WriteLine("Marks Details:");  
  
    Console.WriteLine($"Maths Marks: {MathsMarks}");  
  
    Console.WriteLine($"Science Marks: {ScienceMarks}");  
  
    Console.WriteLine($"English Marks: {EnglishMarks}");  
  
    Console.WriteLine($"Grade: {FindGrade()}");
```

```
}

public string FindGrade()

{

    double average = (MathsMarks + ScienceMarks + EnglishMarks) / 3.0; if (average >= 90) return "A";

    else if (average >= 80) return

    "B"; else if (average >= 70)

    return "C"; else if (average >=

    60) return "D"; else return "F";

}

class Program

{

    static void Main()

    {

        StudentMark student = new

        StudentMark(); student.GetData();

        student.PrintData();

    }

}
```

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main.cs

```
1 using System;
2
3 public class Student
4 {
5     public string Name { get; set; }
6     public int Age { get; set; }
7     public string Address { get; set; }
8     public string MobileNumber { get; set; }
9
10    public virtual void GetData()
11    {
12        Enter student details:
13        Name: Sandhiya
14        Age: 19
15        Address: Namakkal
16        Mobile Number: 9345618044
17        Enter marks details:
18        < Maths Marks: 89
19        Science Marks: 95
20        English Marks: 98
21        Student Details:
22        Name: Sandhiya
23        Age: 19
24        Address: Namakkal
25        Mobile Number: 9345618044
26        Marks Details:
27        Maths Marks: 9
28        Science Marks: 95
29        English Marks: 98
30        Grade: D
```

input

Enter student details:  
Name: Sandhiya  
Age: 19  
Address: Namakkal  
Mobile Number: 9345618044  
Enter marks details:  
< Maths Marks: 89  
Science Marks: 95  
English Marks: 98  
Student Details:  
Name: Sandhiya  
Age: 19  
Address: Namakkal  
Mobile Number: 9345618044  
Marks Details:  
Maths Marks: 9  
Science Marks: 95  
English Marks: 98  
Grade: D

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...Program finished with exit code 0  
Press ENTER to exit console.[]

**Input:**

Enter Student details:

Name: Sandhiya

Age: 19

Address: Namakkal

Number: 9345618044

Maths Marks: 89

Science Marks: 95

English Marks: 98

**Output:**

Enter Student details:

Name: Sandhiya

Age: 19

Address: Namakkal

Number: 9345618044

Maths Marks: 89

Science Marks: 95

English Marks: 98

Grade: D

8. Design sample C# program with class name employee to compute netsalary of the employee using the basic salary, if for the job\_catg is 1 use table-I else use table-II. Use constructor to initialize basic salary,hra,da,pf and loan. The employee class should contain input() method to get input for job\_catg, empno, empname, calculateSalary() method to compute salary and display() method to print the details.

**Table-I**

**Table-II**

<b>BASIC=Rs. 8,000</b>	<b>BASIC=Rs. 15,000</b>
<b>HRA=10% of basic</b>	<b>HRA=20% of basic</b>
<b>DA=20% of basic</b>	<b>DA=30% of basic</b>
<b>LOAN=Rs. 300</b>	<b>LOAN=Rs. 600</b>
<b>PF=Rs. 500</b>	<b>PF=1000</b>

**Aim:**

To create an Employee class that calculates and displays an employee's net

salary based on their job category, with salary components and deductions, and demonstrates encapsulation and methods.

**Program:**

```
using System;  
  
public class Employee  
{  
    private int empno;  
    private string  
    empname; private int  
    job_catg;  
    private double  
    basicSalary; private  
    double hra;  
    private double da;  
    private double pf;  
    private double loan;  
    private double  
    netSalary;
```

```
    public Employee(double basicSalary, double hra, double da, double pf,  
    double loan)  
    {  
        this.basicSalary = basicSalary;  
        this.hra = hra;  
        this.da = da;
```

```
this(pf = pf;  
      loan = loan;  
      }  
      public void Input()  
      {  
          Console.WriteLine("Enter Employee Number:  
"); empno =  
          int.Parse(Console.ReadLine());
```

```
Console.WriteLine("Enter Employee Name:  
"); empname = Console.ReadLine();  
  
Console.WriteLine("Enter Job Category (1 for Table-I, 2 for Table-II):  
"); job_catg = int.Parse(Console.ReadLine());  
  
if (job_catg == 1)  
{  
  
    // Table-I  
  
    basicSalary =  
    8000;  
  
    hra = 0.10 *  
  
    basicSalary; da =  
    0.20 * basicSalary;  
  
    loan = 300;  
  
    pf = 500;  
  
}  
  
else if (job_catg == 2)  
{  
  
    basicSalary = 15000;  
  
    hra = 0.20 *  
  
    basicSalary; da =  
    0.30 * basicSalary;  
  
    loan = 600;  
  
    pf = 1000;  
  
}  
  
else  
{
```

```
Console.WriteLine("Invalid Job Category. Setting default values.");  
basicSalary = 0;  
hra = 0;  
da = 0;  
loan = 0;  
pf = 0;
```

```
}

    CalculateSalary();

}

private void CalculateSalary()

{

    netSalary = basicSalary + hra + da - pf - loan;

}

public void Display()

{

    Console.WriteLine(" \nEmployee Details:" );

    Console.WriteLine($" Employee Number: {empno} " );

    Console.WriteLine($" Employee Name: {empname} " );

    Console.WriteLine($" Job Category: {(job_catg == 1 ? " Table-I" : " Table-II" )} " );

    Console.WriteLine($" Basic Salary: Rs. {basicSalary} " );

    Console.WriteLine($" HRA: Rs. {hra} " );

    Console.WriteLine($" DA: Rs. {da} " );

    Console.WriteLine($" PF: Rs. {pf} " );

    Console.WriteLine($" Loan: Rs. {loan} " );

    Console.WriteLine($" Net Salary: Rs. {netSalary} " );

}

}

class Program

{

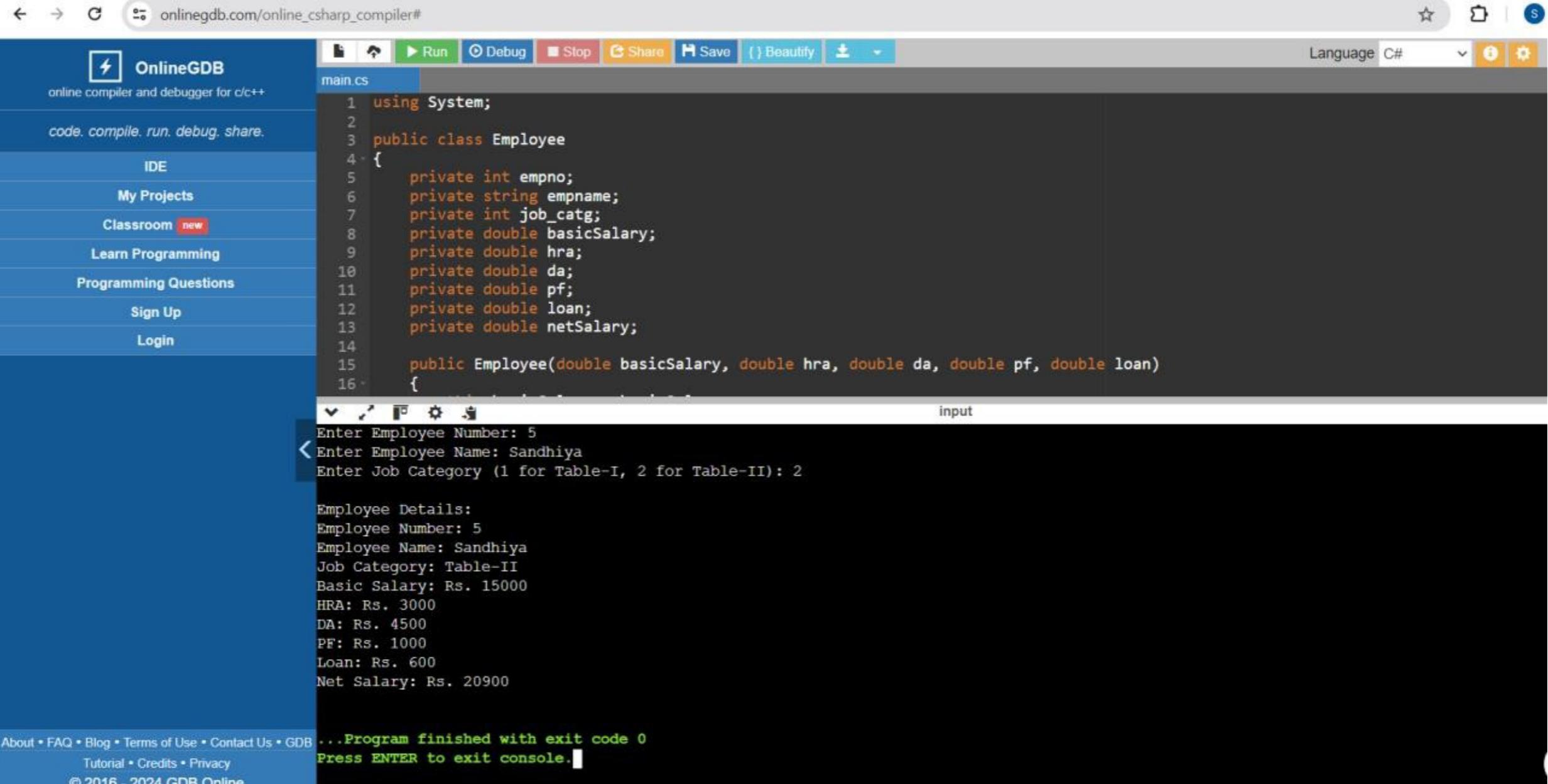
    static void Main()

{
```

```
Employee emp = new Employee(0, 0, 0, 0, 0);  
  
emp.Input();
```

```
    emp.Display();
```

```
}
```



The screenshot shows a web-based IDE interface for C# development. The top navigation bar includes links for Run, Debug, Stop, Share, Save, and Beautify. The language dropdown is set to C#. The main workspace displays a C# file named 'main.cs' with the following code:

```
1 using System;
2
3 public class Employee
4 {
5     private int empno;
6     private string empname;
7     private int job_catg;
8     private double basicSalary;
9     private double hra;
10    private double da;
11    private double pf;
12    private double loan;
13    private double netSalary;
14
15    public Employee(double basicSalary, double hra, double da, double pf, double loan)
16    {
17        this.basicSalary = basicSalary;
18        this.hra = hra;
19        this.da = da;
20        this.pf = pf;
21        this.loan = loan;
22        calculateNetSalary();
23    }
24
25    public void calculateNetSalary()
26    {
27        netSalary = basicSalary + hra + da - pf - loan;
28    }
29
30    public void Display()
31    {
32        Console.WriteLine("Employee Details:");
33        Console.WriteLine("Employee Number: " + empno);
34        Console.WriteLine("Employee Name: " + empname);
35        Console.WriteLine("Job Category: " + job_catg);
36        Console.WriteLine("Basic Salary: Rs. " + basicSalary);
37        Console.WriteLine("HRA: Rs. " + hra);
38        Console.WriteLine("DA: Rs. " + da);
39        Console.WriteLine("PF: Rs. " + pf);
40        Console.WriteLine("Loan: Rs. " + loan);
41        Console.WriteLine("Net Salary: Rs. " + netSalary);
42    }
43
44    static void Main(string[] args)
45    {
46        Employee emp = new Employee(15000, 3000, 4500, 1000, 600);
47        emp.Display();
48    }
49}
```

The 'input' section contains the user input:

```
Enter Employee Number: 5
Enter Employee Name: Sandhiya
Enter Job Category (1 for Table-I, 2 for Table-II): 2
```

The 'output' section shows the program's response:

```
Employee Details:
Employee Number: 5
Employee Name: Sandhiya
Job Category: Table-II
Basic Salary: Rs. 15000
HRA: Rs. 3000
DA: Rs. 4500
PF: Rs. 1000
Loan: Rs. 600
Net Salary: Rs. 20900

...Program finished with exit code 0
Press ENTER to exit console.
```

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```
}
```

## Input:

Enter Employee Number: 5

Enter Employee Name:

Sandhiya

Enter Job Category (1 for Table-I, 2 for Table-II): 2

## Output:

Employee Details:

Employee Number:

5

Enter Employee Name:

Sandhiya Job Category: 2

Basic Salary: Rs.

15000 HRA: Rs.

3000

DA: Rs. 4500

PF Deduction: Rs. 1000

Loan: Rs. 600

Net Salary: Rs. 20900

**BY:**

**SANIYA S**

**73772214193**

**III – B.E**

**CSE**