

**A Project Report on**  
**.NET (TASK BASED)**

**Submitted as partial fulfillment of the requirement**

**For M.Sc. IT - Semester IV**

**Prepared for Subject: IT Project (ITCC14)**

**Prepared By**

**Name of Student :** Kanzariya Foram A.

**Enrollment No.:**21mscit22004

**Exam No.:**



**Shri Maneklal M.Patel Institute of  
Sciences and Research**  
**Kadi Sarva Vishwavidyalaya**  
**Department of M.Sc.IT, Gandhinagar**



## **ACKNOWLEDGMENT**

I am grateful to my internal guide **Yagnesh vyash** for providing me valuable guidance for the **IT PROJECT** (ITCC14) and other domain related information.

I would like to express my endless thanks to **AMIT Patil**(**BINARY REPUBLIK PVT.LTD**), for giving invaluable advice, direction, support and transferring knowledge throughout the project work.

Also my hearty gratitude to Head of Department, **Prof. (Dr.) B. R. Pandya** for giving me an opportunity for learning through the process of project work by which I can improve my technical skills along with practical exposure and its applicability in the industry.

**Name of Student: Kanzariya Foram A..**

**Signature of Student:**

Enrollment No.: 21mscit22004



**Shri Maneklal M. Patel Institute of  
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**INTERNAL PROJECT CERTIFICATE**

This is to certify that **Kanzariya Foram A.** having Enrollment No. **21mscit22004** was working for the M.Sc. IT department as project trainee from <<15-dec-2022>> to <<14-apr-2023>>. During the above period, we found him/her to be very sincere and hardworking. He / She has completed IT Project (ITCC14) on <<**.net task based**>> satisfactorily under the guidance of guide.

We appreciate the enthusiasm & dedication towards work.

We wish him/her very best in all his future endeavors.

**Project Guide**

Mr. Yagnesh vyash  
Asst. Professor  
M.Sc. (IT) Department.

**Prof. (Dr.) B. R. Pandya**

Head of Department, M.Sc. IT

M.SC(INFORMATION TECHNOLOGY)

SEM-4

PROJECT REPORT: **TASK BASE**

COMPANY NAME : BINARY REPUBLIK PVT.LTD

LANGUAGE : **.NET**

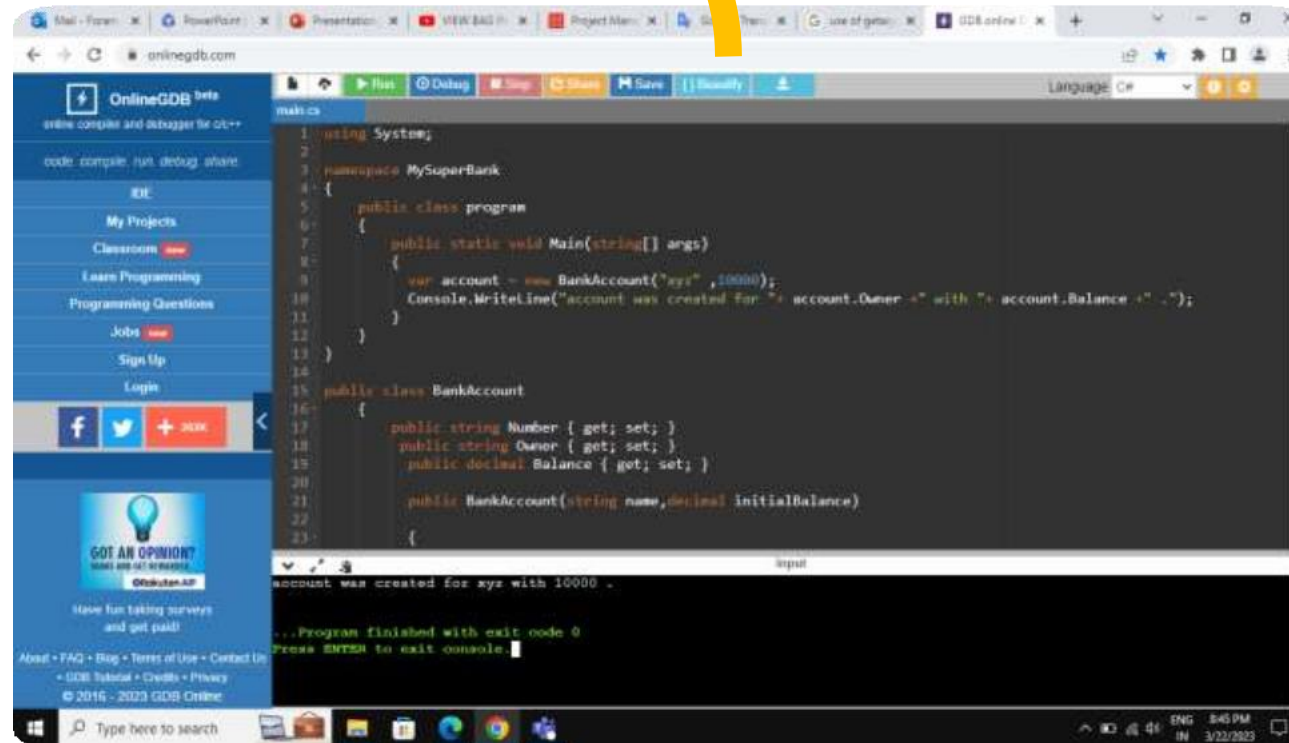
STUDENT NAME: **Kanzariya Foram A.**

ENROLLMENT NO: **21MSCIT22004**

# INDEX

1. which is C# class and object
2. which is C# fibonacci series
3. which is C# abstract class
4. which is C# inheritance
5. which is C# polymorphism
6. Write a method that overloads the GetName() method by taking in a name and printing “Hello” with that name
7. Write a method that overloads the PerformAction() method with two arguments it could be numbers or strings.
  - If both arguments are number then it should return Sum of both numbers.
  - If both arguments are strings then it should return concatenate of both string with space as separator.
  - If there is no any arguments then it should print "Enter correct values“.
8. Registration form in Javascript with validation
9. Employee Details task with jQuery
10. Timesheet task with jQuery.

Task:1 which is C#  
class and object.



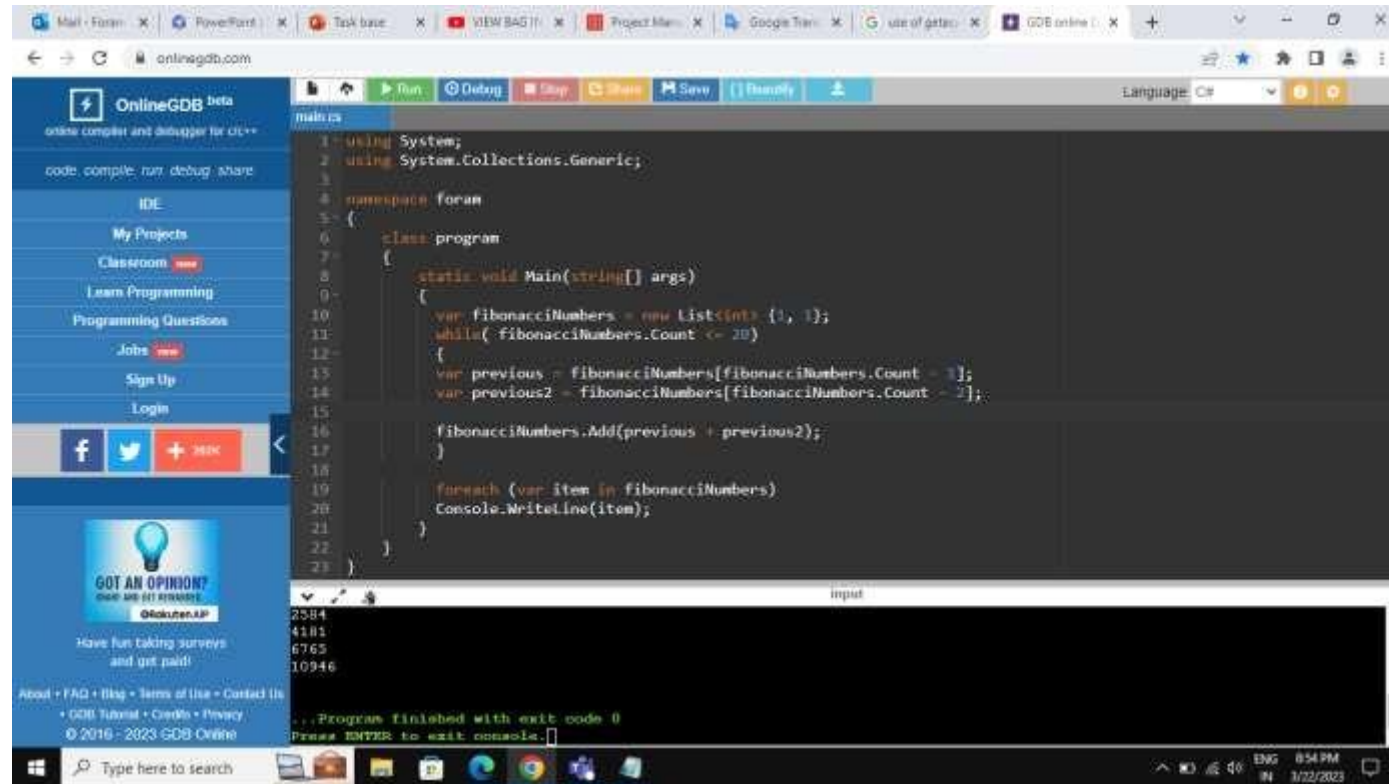
The screenshot shows the OnlineGDB website interface. The left sidebar contains navigation links: Home, My Projects, Classroom, Learn Programming, Programming Questions, Jobs, Sign Up, and Login. The main area displays a C# code editor with the following code:

```
1 using System;
2
3 namespace MySuperBank
4 {
5     public class program
6     {
7         public static void Main(string[] args)
8         {
9             var account = new BankAccount("xyz", 10000);
10             Console.WriteLine("account was created for " + account.Owner + " with " + account.Balance + ".");
11         }
12     }
13 }
14
15 public class BankAccount
16 {
17     public string Number { get; set; }
18     public string Owner { get; set; }
19     public decimal Balance { get; set; }
20
21     public BankAccount(string name, decimal initialBalance)
22     {
23     }
```

The output window shows the following text:

```
account was created for xyz with 10000 .
...Program finished with exit code 0
Press ENTER to exit console.
```

Task:2 which is C# fibonacci series.



The screenshot displays the OnlineGDB web interface. The left sidebar contains navigation links: IDE, My Projects, Classroom, Learn Programming, Programming Questions, Jobs, Sign Up, and Login. The main editor area shows a C# program for calculating the Fibonacci series. The code is as follows:

```
1 using System;
2 using System.Collections.Generic;
3
4 namespace forum
5 {
6     class program
7     {
8         static void Main(string[] args)
9         {
10             var fibonacciNumbers = new List<int> {1, 1};
11             while( fibonacciNumbers.Count <= 20)
12             {
13                 var previous = fibonacciNumbers[fibonacciNumbers.Count - 1];
14                 var previous2 = fibonacciNumbers[fibonacciNumbers.Count - 2];
15
16                 fibonacciNumbers.Add(previous + previous2);
17             }
18
19             foreach (var item in fibonacciNumbers)
20                 Console.WriteLine(item);
21         }
22     }
23 }
```

The console output at the bottom shows the first five numbers of the Fibonacci series: 2584, 4181, 6765, and 10946. The program finished with exit code 0.

Task:3 which is C# abstract class.

A screenshot of the OnlineGDB website. The browser's address bar shows 'onlinegdb.com'. The left sidebar contains navigation links: 'IDE', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Jobs', 'Sign Up', and 'Login'. Below these are social media icons for Facebook, Twitter, and a '+2026' button. A 'GOT AN OPINION?' survey banner is also visible. The main editor area shows C# code for an abstract class 'animal' and a concrete class 'pig' that inherits from it. The 'pig' class overrides the 'animalsound()' method. A 'program' class contains a 'Main' method that creates a 'pig' object, calls 'sleep()', and 'animalsound()'. The console output shows 'zzzz' and 'the pig says: heee heee'. The status bar at the bottom indicates 'Program finished with exit code 0' and 'Press ENTER to exit console.'

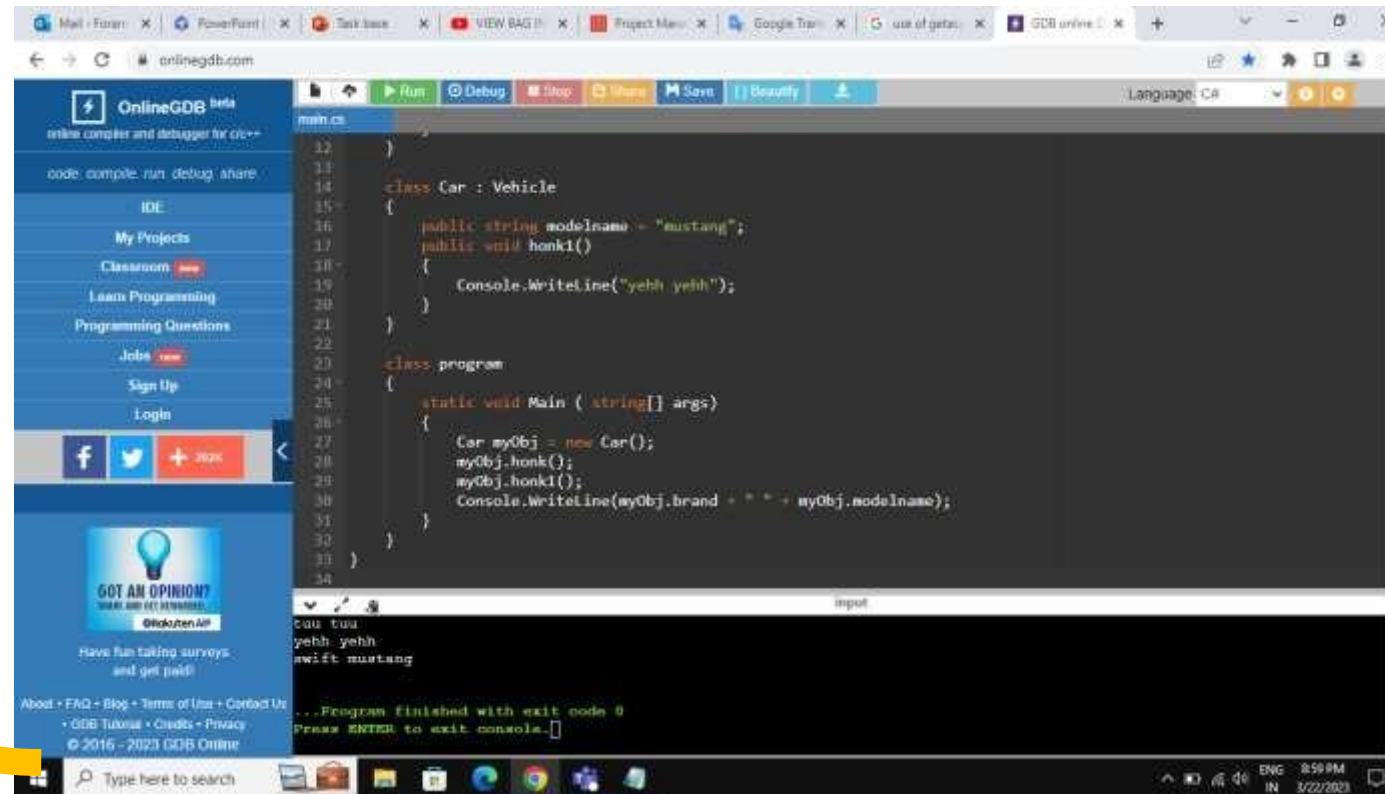
```
7 public void sleep()  
8 {  
9     Console.WriteLine("zzzz");  
10 }  
11 }  
12 class pig : animal  
13 {  
14     public override void animalsound()  
15     {  
16         Console.WriteLine("the pig says: heee heee");  
17     }  
18 }  
19 class program  
20 {  
21     static void Main (string [] args)  
22     {  
23         pig myPig = new pig();  
24         myPig.sleep();  
25         myPig.animalsound();  
26     }  
27 }  
28 }  
29 }
```

zzzz  
the pig says: heee heee

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



Task:4 which is C# inheritance.

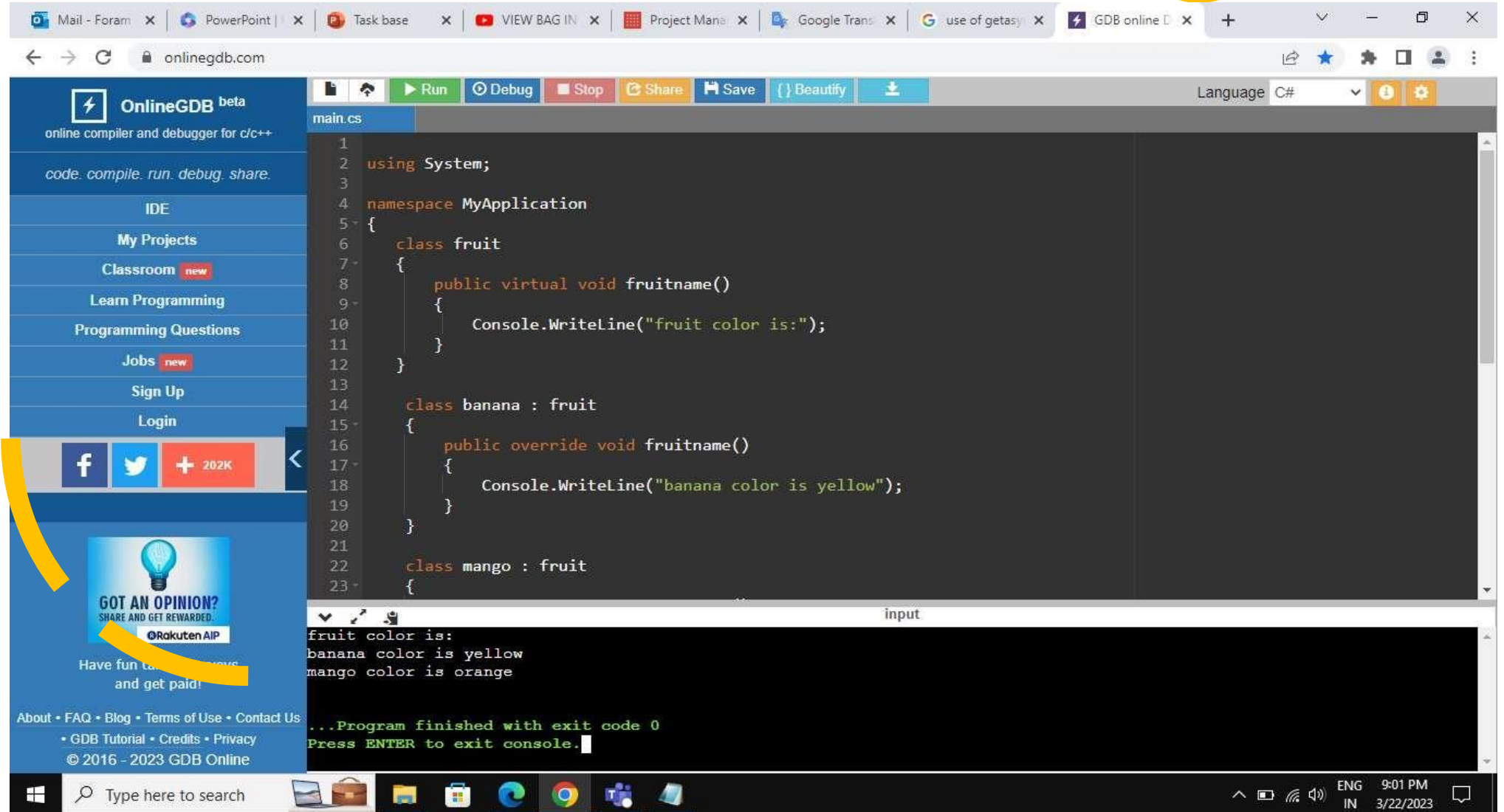


```
12 }
13
14 class Car : Vehicle
15 {
16     public string modelName = "mustang";
17     public void honk1()
18     {
19         Console.WriteLine("yehh yehh");
20     }
21 }
22
23 class program
24 {
25     static void Main ( string[] args)
26     {
27         Car myObj = new Car();
28         myObj.honk();
29         myObj.honk1();
30         Console.WriteLine(myObj.brand + " " + myObj.modelname);
31     }
32 }
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90
91
92
93
94
95
96
97
98
99
100
```

Output:

```
car
yehh yehh
swift mustang
...Program finished with exit code 0
Press ENTER to exit console.
```

# Task:5 which is C# polymorphism.



The screenshot displays the OnlineGDB website interface. The browser's address bar shows the URL `onlinegdb.com`. The page features a sidebar with navigation links such as "IDE", "My Projects", "Classroom", "Learn Programming", "Programming Questions", "Jobs", "Sign Up", and "Login". The main content area shows a C# code file named `main.cs` with the following code:

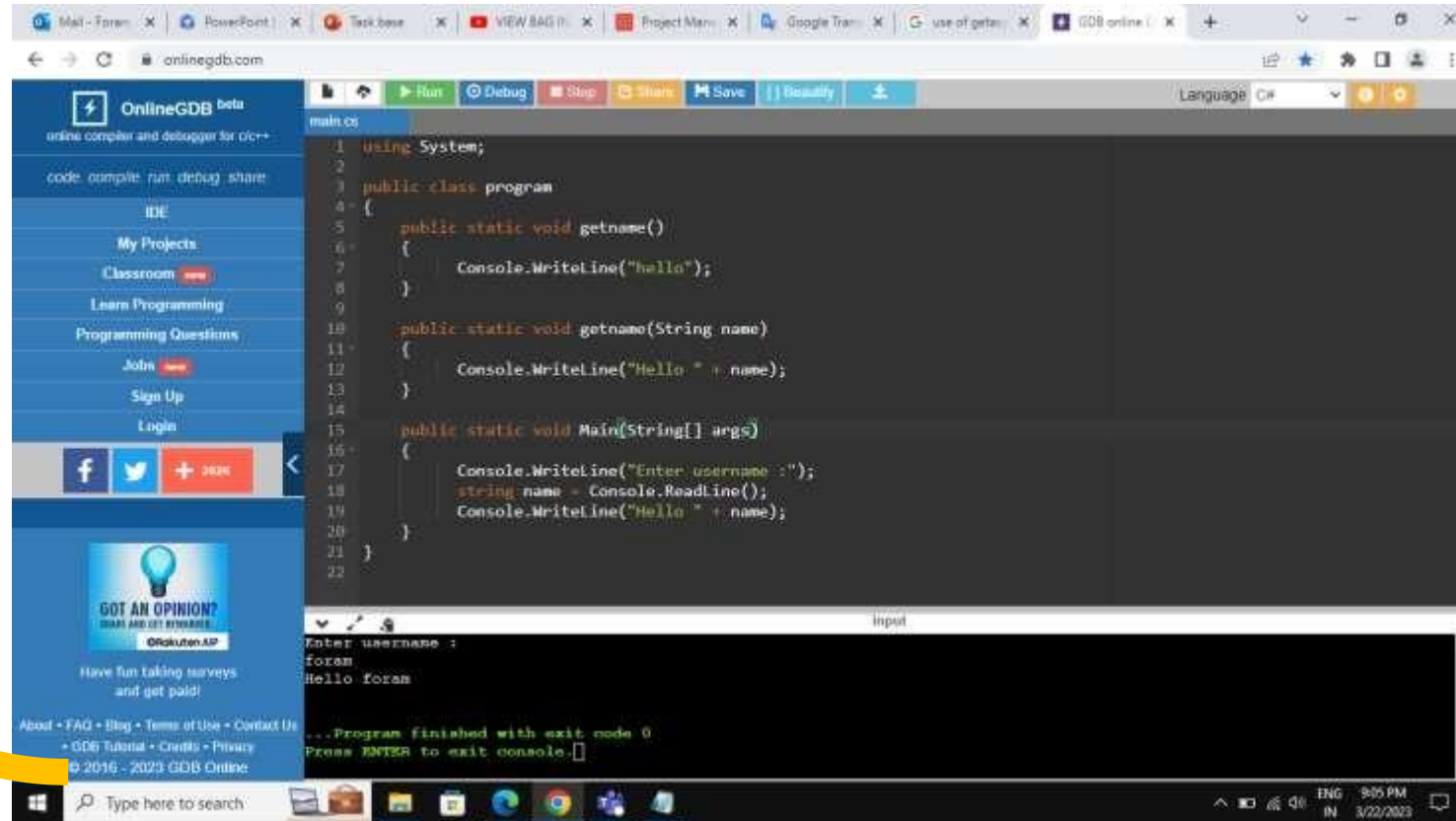
```
1 using System;
2
3
4 namespace MyApplication
5 {
6     class fruit
7     {
8         public virtual void fruitname()
9         {
10             Console.WriteLine("fruit color is:");
11         }
12     }
13
14     class banana : fruit
15     {
16         public override void fruitname()
17         {
18             Console.WriteLine("banana color is yellow");
19         }
20     }
21
22     class mango : fruit
23     {
```

The output window at the bottom shows the program's execution results:

```
fruit color is:
banana color is yellow
mango color is orange
...Program finished with exit code 0
Press ENTER to exit console.
```

The Windows taskbar at the bottom indicates the system time as 9:01 PM on 3/22/2023.

Task:6 Write a method that overloads the GetName() method by taking in a name and printing “Hello” with that name.



The screenshot displays the OnlineGDB web interface. The left sidebar contains navigation links such as 'IDE', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Join', 'Sign Up', and 'Login'. The main editor area shows a C# program with the following code:

```
1 using System;
2
3 public class program
4 {
5     public static void getname()
6     {
7         Console.WriteLine("hello");
8     }
9
10    public static void getname(String name)
11    {
12        Console.WriteLine("Hello " + name);
13    }
14
15    public static void Main(String[] args)
16    {
17        Console.WriteLine("Enter username :");
18        string name = Console.ReadLine();
19        Console.WriteLine("Hello " + name);
20    }
21 }
22
```

The console output at the bottom shows the program's execution:

```
Enter username :
foram
Hello foram
...Program finished with exit code 0
Press ENTER to exit console.
```

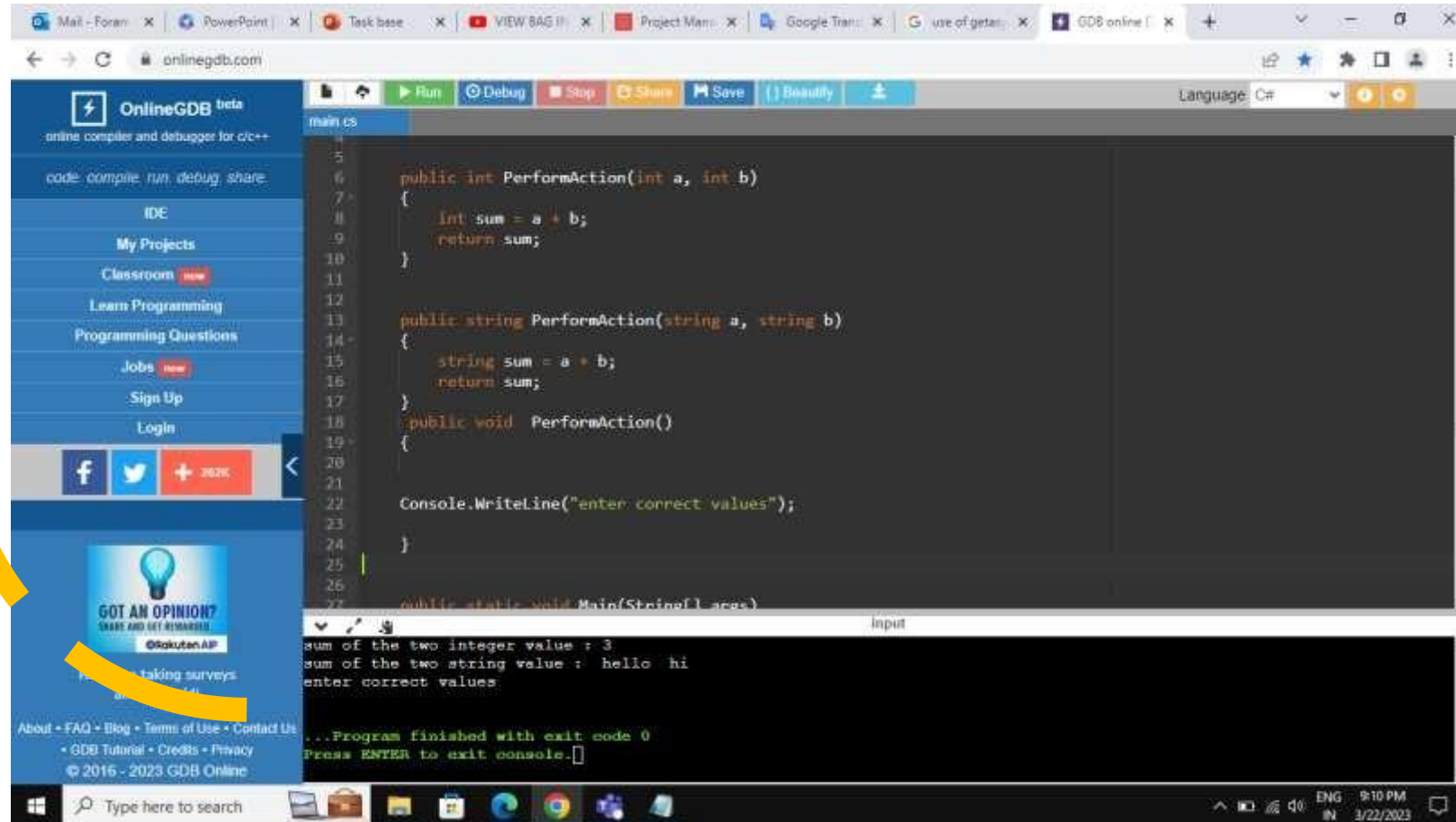
Yellow curved arrows highlight the 'getname()' method and the 'Console.WriteLine("Hello " + name);' statement in the code, and the corresponding output in the console.

Task:7 Write a method that overloads the PerformAction() method with two arguments it could be numbers or strings.

If both arguments are number then it should return Sum of both numbers.

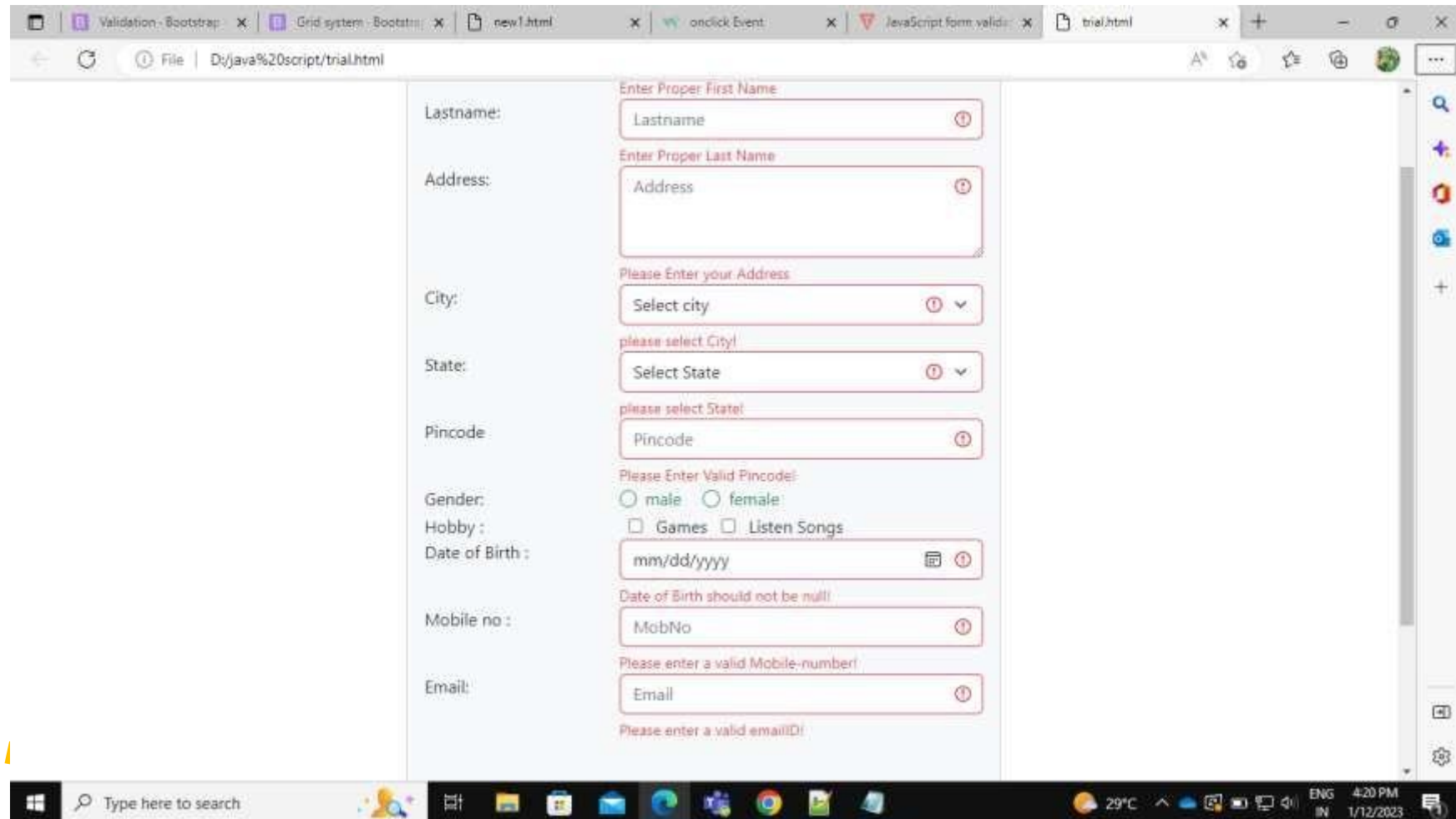
If both arguments are strings then it should return concatenate of both string with space as separator.

If there is no any arguments then it should print "Enter correct values".



```
main.cs
5
6 public int PerformAction(int a, int b)
7 {
8     int sum = a + b;
9     return sum;
10 }
11
12 public string PerformAction(string a, string b)
13 {
14     string sum = a + b;
15     return sum;
16 }
17
18 public void PerformAction()
19 {
20 }
21
22 Console.WriteLine("enter correct values");
23
24 }
25
26
27 public static void Main(String[] args)
28 {
29     //sum of the two integer value : 3
30     //sum of the two string value : hello hi
31     //enter correct values
32 }
33
34 ...Program finished with exit code 0
35 Press ENTER to exit console.
```

# Task:8 Registration form in Javascript with validation.



The screenshot displays a web browser window with multiple tabs. The active tab shows a registration form titled "trial.html" located at "D:\java%20script\trial.html". The form contains several input fields with associated validation messages:

- Lastname:** The input field contains "Lastname" and has a red border with a red exclamation mark icon. Above it is the message "Enter Proper First Name".
- Address:** The input field contains "Address" and has a red border with a red exclamation mark icon. Above it is the message "Enter Proper Last Name".
- City:** A dropdown menu showing "Select city" with a red border and a red exclamation mark icon. Above it is the message "Please Enter your Address".
- State:** A dropdown menu showing "Select State" with a red border and a red exclamation mark icon. Above it is the message "please select City!".
- Pincode:** The input field contains "Pincode" and has a red border with a red exclamation mark icon. Above it is the message "please select State!".
- Gender:** Radio buttons for "male" and "female".
- Hobby:** Checkboxes for "Games" and "Listen Songs".
- Date of Birth:** The input field contains "mm/dd/yyyy" and has a red border with a red exclamation mark icon. Above it is the message "Please Enter Valid Pincode!".
- Mobile no.:** The input field contains "MobNo" and has a red border with a red exclamation mark icon. Above it is the message "Date of Birth should not be null!".
- Email:** The input field contains "Email" and has a red border with a red exclamation mark icon. Above it is the message "Please enter a valid Mobile-number!".

The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right indicates a temperature of 29°C, the date 1/12/2023, and the time 4:20 PM.



# Task:9 Employee Details task with jQuery.



Dashboard




File | C:/Users/brqtsix1531/Desktop/new%20task%20code/Dashboard.html

To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 8.1.

## Employee Details

Filter by Role: All Roles Clear All Filter

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Create Employee

Employee Name	Company Name	Email	Profile Picture	Role	Phone Number
Alex	Binary Republik	alex@binaryrepublik.com		Software Developer	6354041276
Kerry	Binary Republik	kerry@binaryrepublik.com		.QA	6353117852
br	Binary Republik	br@binaryrepublik.com		.QA	6353117852

1 2 3 Next Last

Items per page: 3

ENG IN 12:07 PM 3/22/2023

# Task:10 Timesheet task with jQuery.

Time Sheet Table

+

File | C:/Users/brqtsix1531/Desktop/new%20task%20code/timesheet.html?id=E002

To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 8.1.

## Timesheet Details

### Employee Deatails

Employee Name	Company Name	Email	Role	Phone Number	Id
Kerry	Binary Republik	kerry@binaryrepublik.com	.QA	6353117852	E002

From:

mm/dd/yyyy

To:

mm/dd/yyyy

Apply

Add Timesheet

Id	Empid	Date	Work Hour	Status	Work Description	Actions
T029	E002	2023-03-25	8	away	half is remain	<div>EditDelete</div>

Previous

<

1

>

Next

Items per page: 3

Windows

Taskbar icons

ENG IN 12:10 PM 3/22/2023