

**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.: 444005**



# 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 vyas** 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 REPUBLIKPVT.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 Sciences and Research

## Kadi Sarva Vishwavidyalaya

### Department of M.Sc.IT, Gandhinagar



### ***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 <21-MAR-2023>. During the above period, we found her to be very sincere and hardworking. 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 her very best in all his future endeavors.

#### **Project Guide**

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

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

Head of Department, M.Sc. IT

Date: 21.03.2023

### Internship Completion Certificate

This is to certify that **Ms. Foram Kanzariya** (21MSCIT22004) a student of M.Sc. - IT, KSV University, Gandhinagar has completed her onsite full-time internship at **Binary Republik**, South Bopal, Ahmedabad from 16<sup>th</sup> December 2022 to 21<sup>st</sup> March 2023.

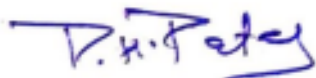
Please find the following detail regarding the project completed:

1	Project Title	Time Reporting System (TRS)
2	Technology/Tools/Software	FrontEnd : Angular BackEnd : DotNet Core DataBase : SQL Server
3	Mode of Internship	Onsite
4	Project Guide/Mentor	Mr. Jay Pankhania Sr. Software Developer <a href="mailto:jay.pankhania@binaryrepublik.com">jay.pankhania@binaryrepublik.com</a>

During her internship with us we found her to be hard working, diligent and honest in performing her duties.

We wish her all the best for her future assignments.

With best wishes.



**Piyush Patel**  
**Project Manager**

**Binary Republik**

# SHRI MANEKLAL M.PATEL INSTITUTE OF SCIENCE & RESEARCH

M.SC(INFORMATION TECHNOLOGY)

SEM-4

PROJECT REPORT: **TASK BASE**

COMPANY NAME : BINARY REPUBLIK PVT.LTD

LANGUAGE : **.NET**

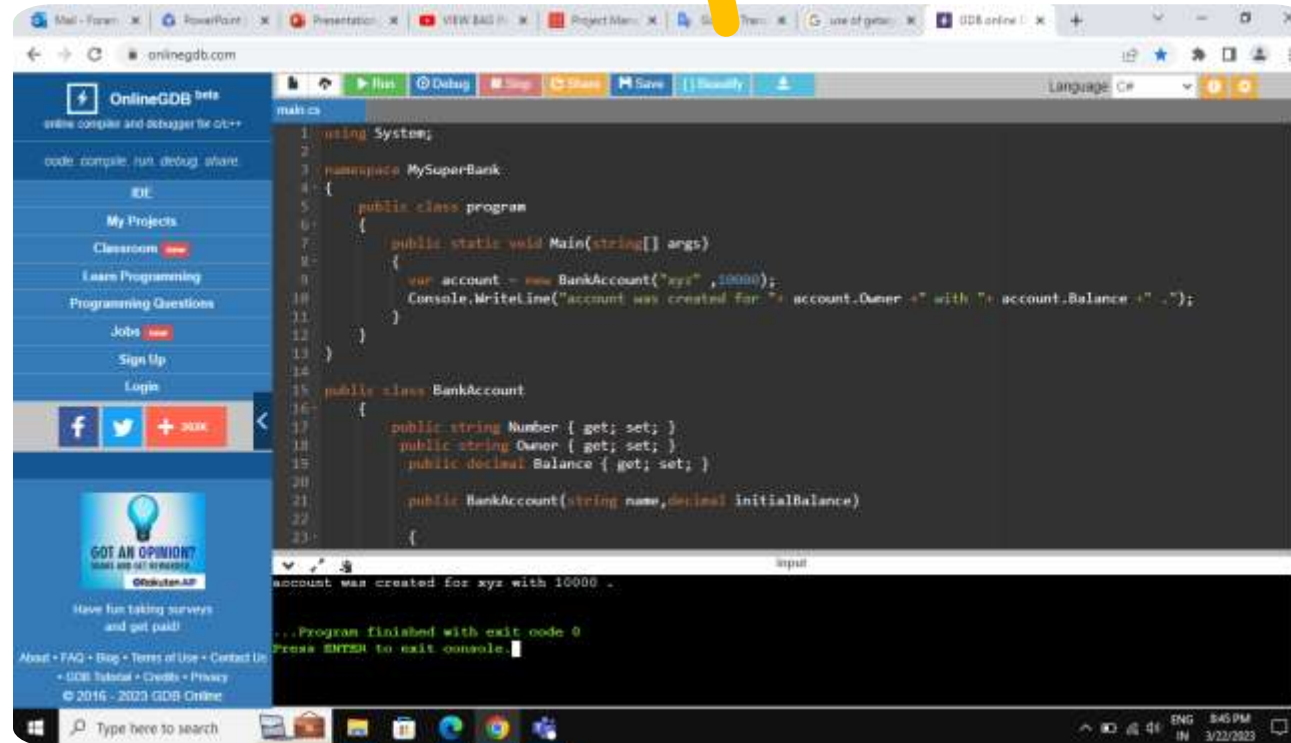
STUDENT NAME: **Kanzariya Foram A.**

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.
11. Todo task with jQuery.
12. Registration form in .net mvc
13. Make dummy web API in .net mvc.

# Task:1 which is C# class and object.



The screenshot shows the OnlineGDB website interface. The left sidebar contains navigation links: OnlineGDB beta, online compiler and debugger for c/c++, code compile, run, debug, share, IDE, 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 at the bottom 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.

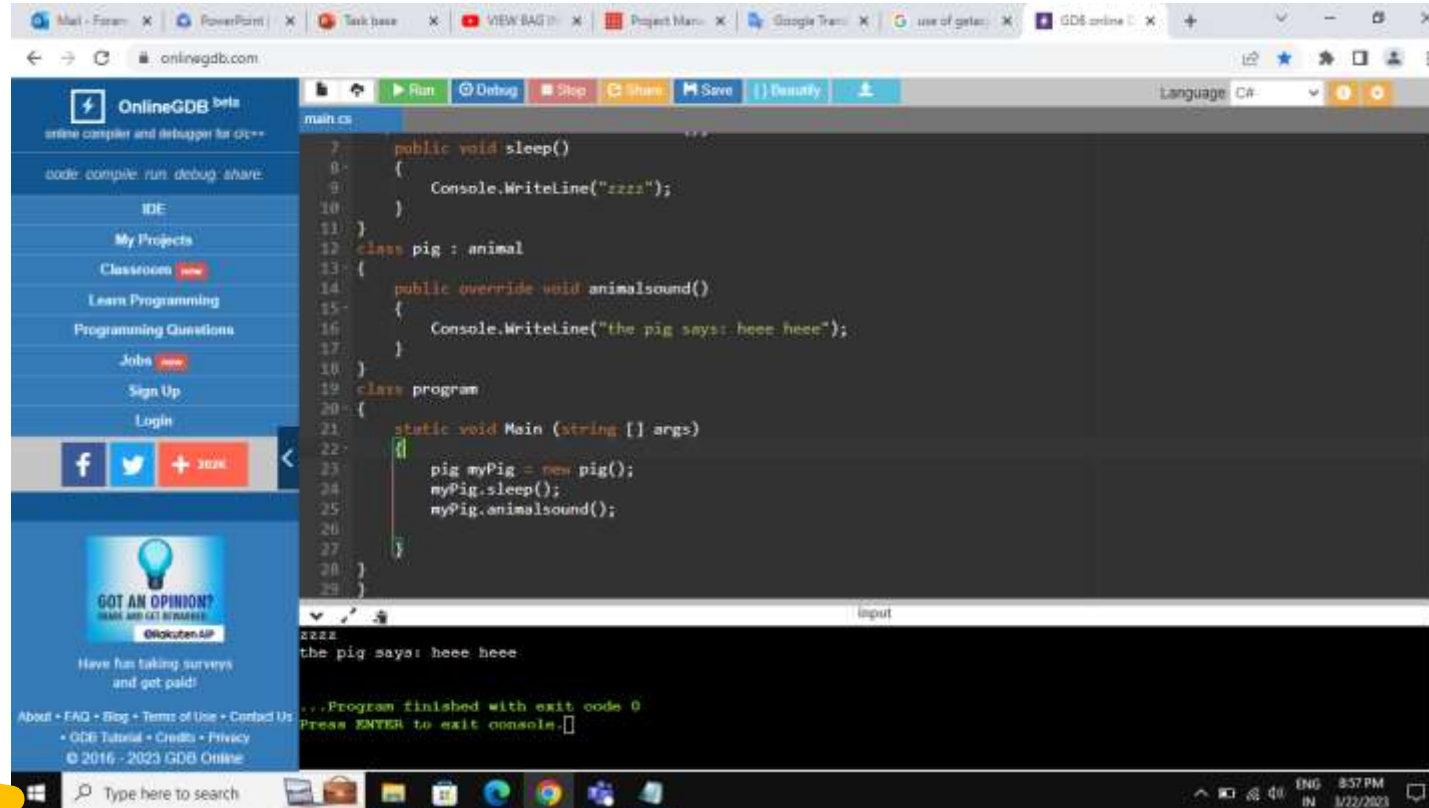
A screenshot of the OnlineGDB web IDE. The browser tabs at the top include 'Mail - For...', 'PowerPoint', 'Task base', 'VIEW BAG (H...', 'Project Man...', 'Google Tran...', 'use of gata...', and 'GDB online...'. The OnlineGDB interface has a left sidebar with links like 'My Projects', 'Classroom', 'Learn 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 Fibonacci numbers: 2584, 4181, 6765, and 10946. The program finished with exit code 0, and the prompt 'Press ENTER to exit console.' is visible. The Windows taskbar at the bottom shows the time as 8:54 PM on 3/22/2023.



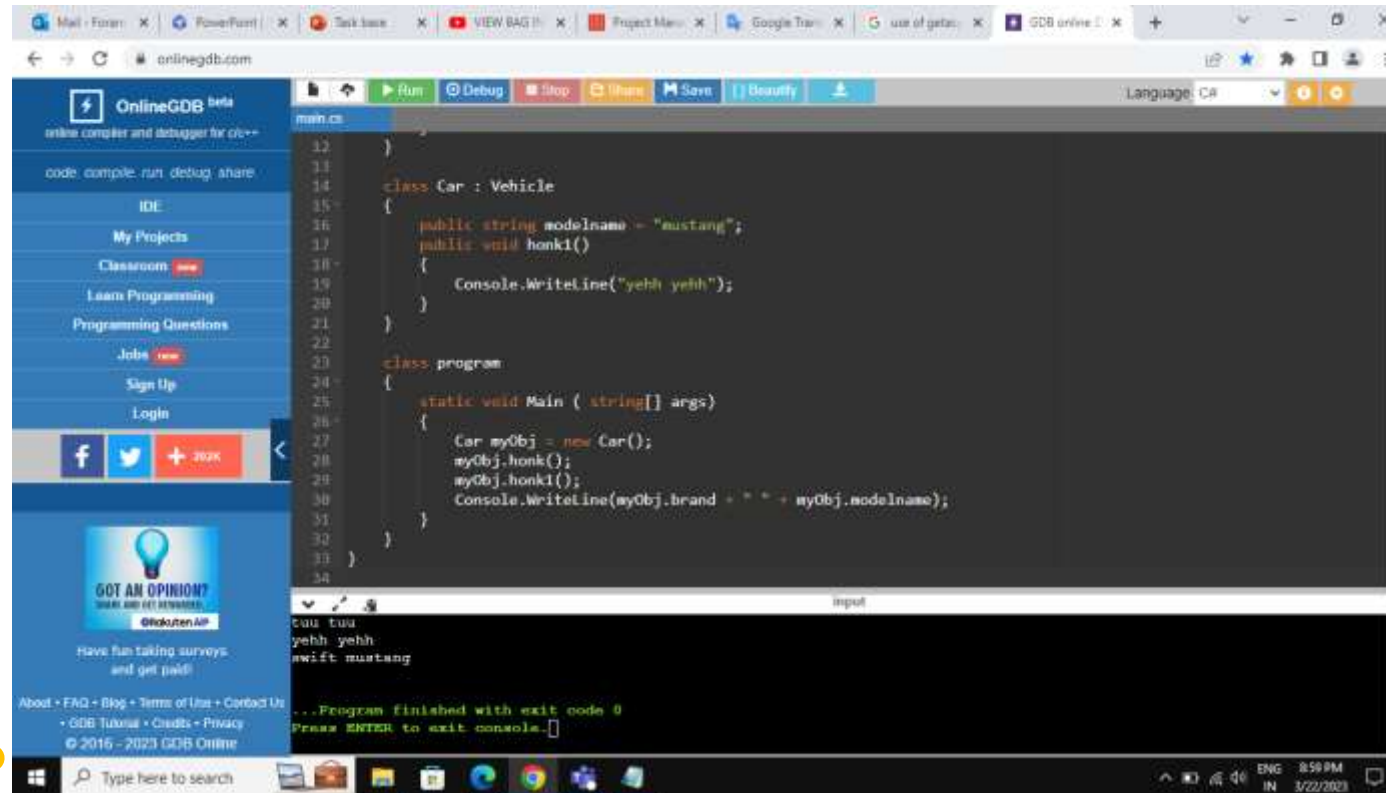
# Task:3 which is C# abstract class.



```
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.

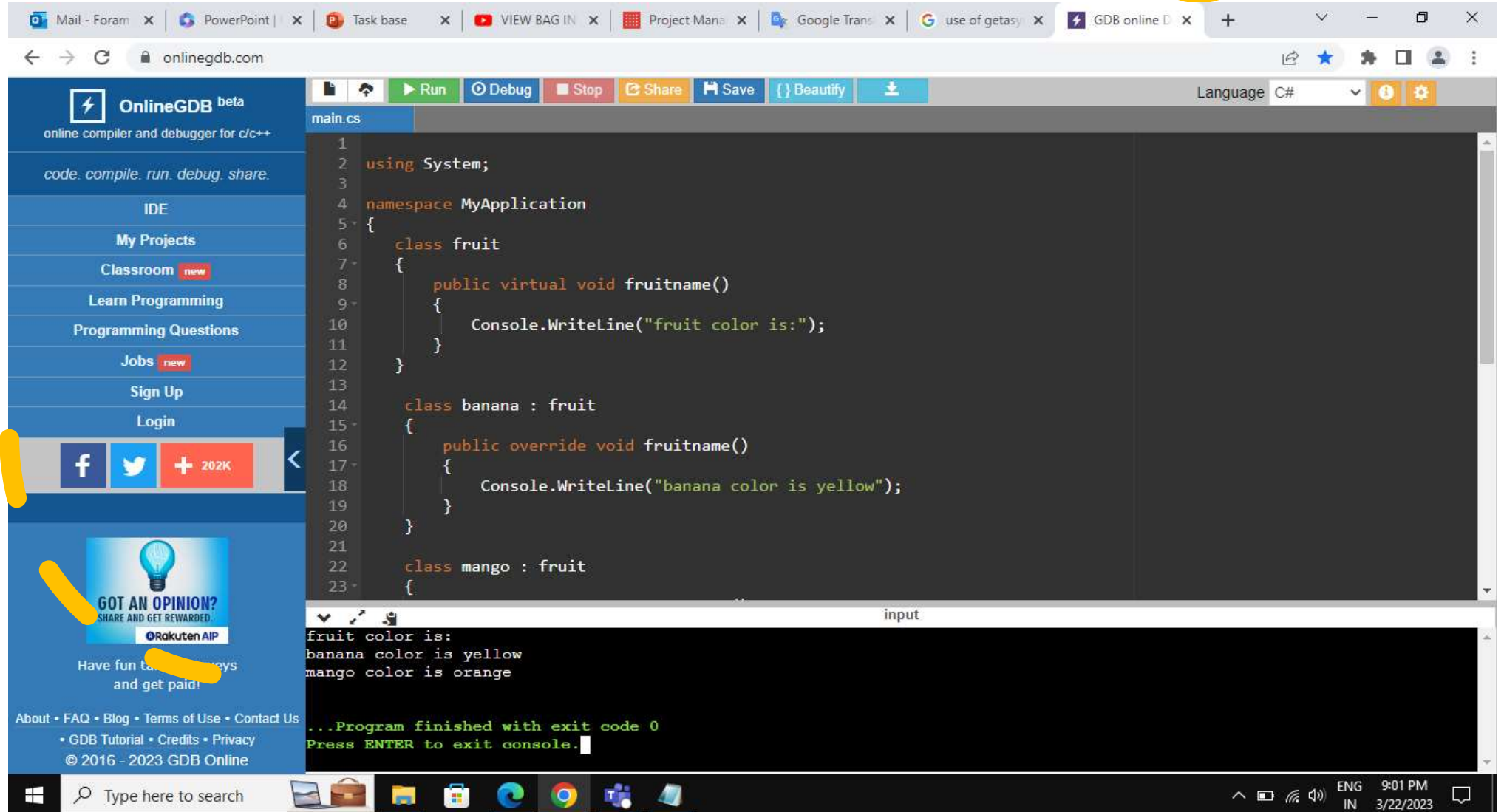


```
main.cs
12 }
13
14 class Car : Vehicle
15 {
16     public string modelName = "mustang";
17     public void honk1()
18     {
19         Console.WriteLine("yehh yehh");
20     }
21 }
22
23 class program
24 {
25     static void Main ( string[] args)
26     {
27         Car myObj = new Car();
28    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

Output:

```
you tuu
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 'onlinegdb.com'. The left sidebar contains navigation links: 'IDE', 'My Projects', 'Classroom new', 'Learn Programming', 'Programming Questions', 'Jobs new', 'Sign Up', and 'Login'. Below these are social media icons for Facebook, Twitter, and a '+ 202K' button. A promotional banner for 'GOT AN OPINION? SHARE AND GET REWARDED. Rakuten AIP' is also visible. The main editor area shows a C# file named 'main.cs' with the following code:

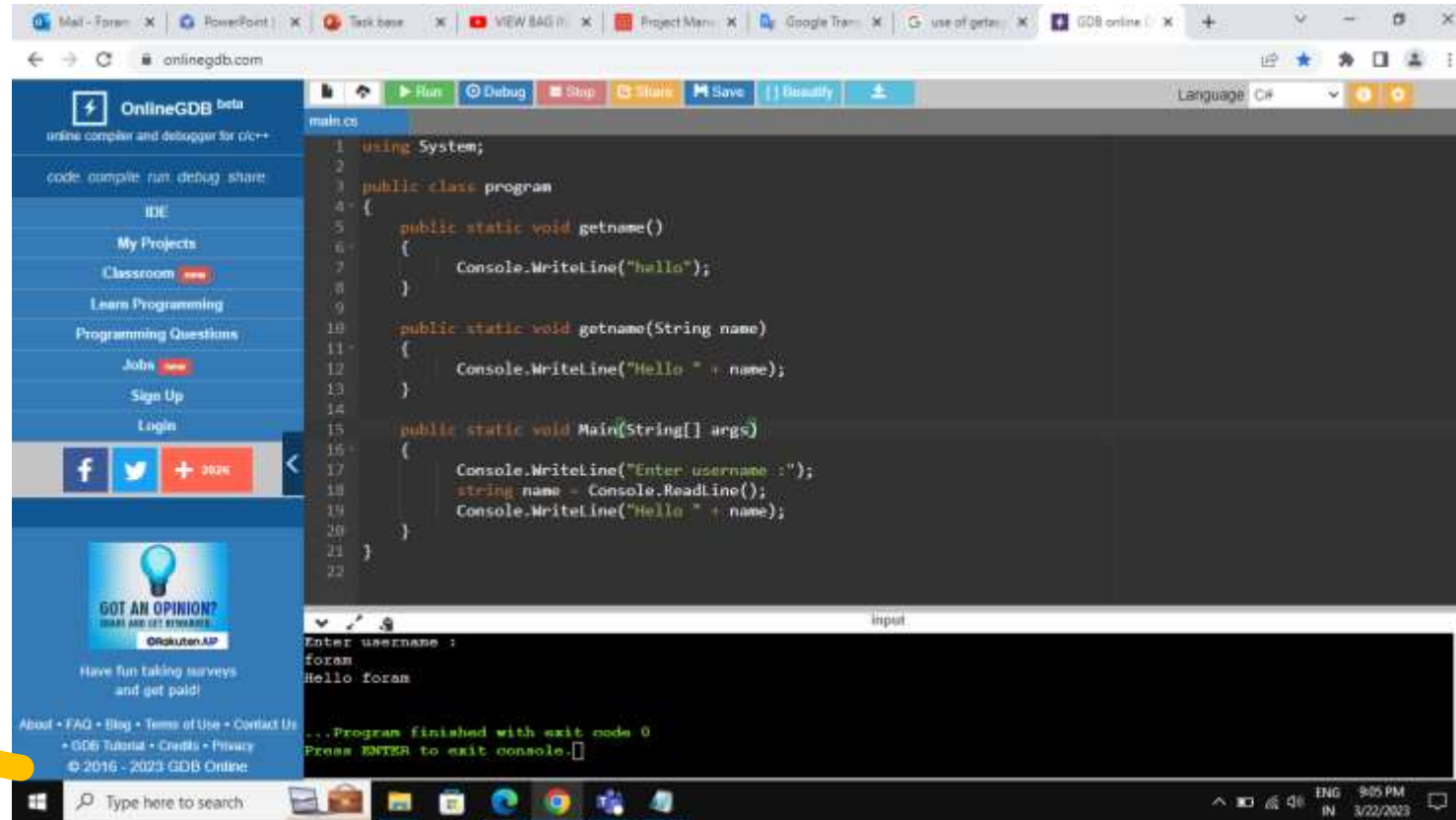
```
1 using System;
2
3
4 namespace MyApplication
5 {
6     class fruit
7     {
8         public virtual void fruitname()
9         {
10             Console.WriteLine("fruit color is:");
11         }
12     }
13
14     class banana : fruit
15     {
16         public override void fruitname()
17     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

The output console at the bottom shows the results of running the code:

```
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 is 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.



```
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
```

Enter username :  
foram  
Hello foram

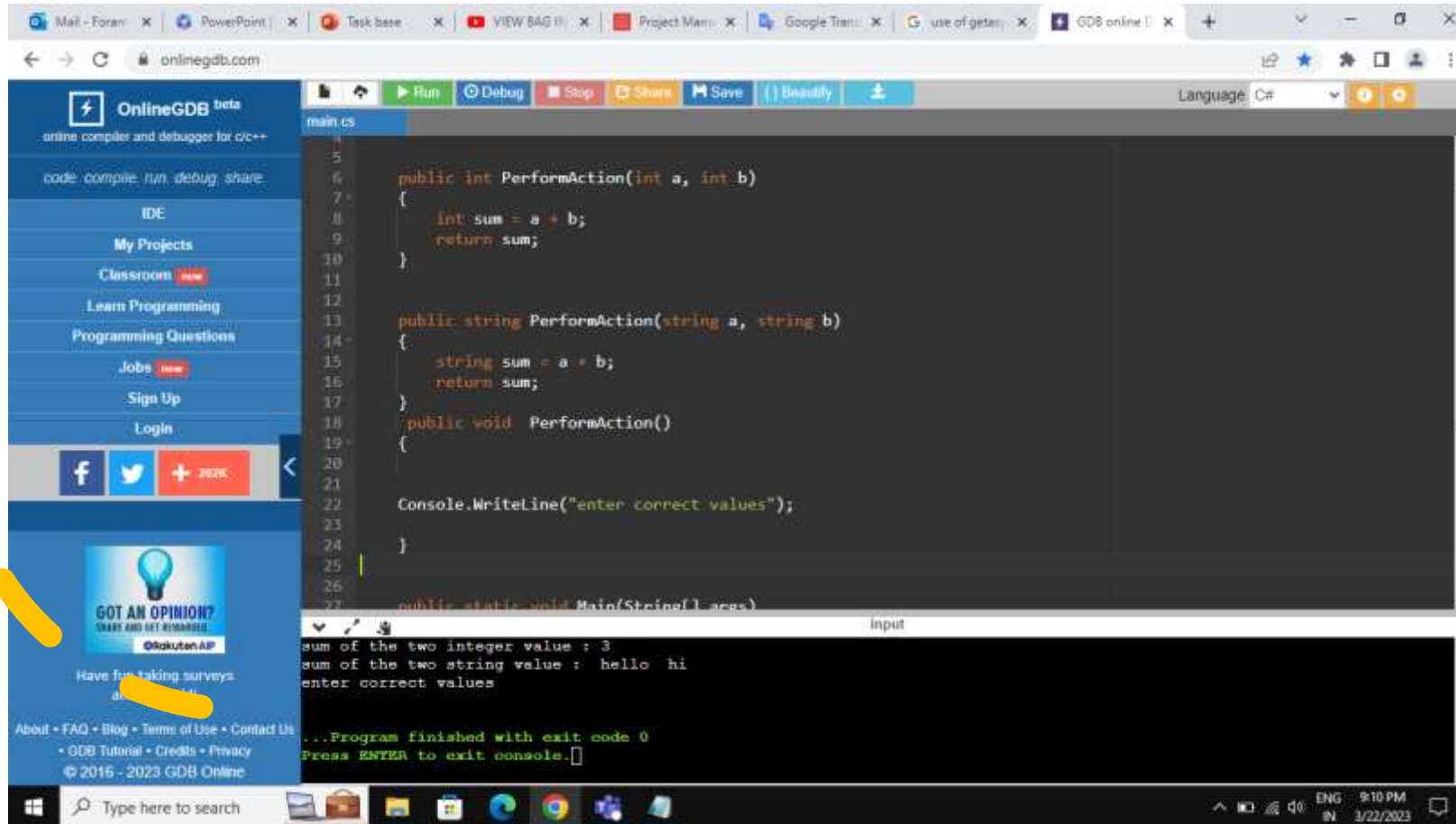
...Program finished with exit code 0  
Press ENTER to exit console.

**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".



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

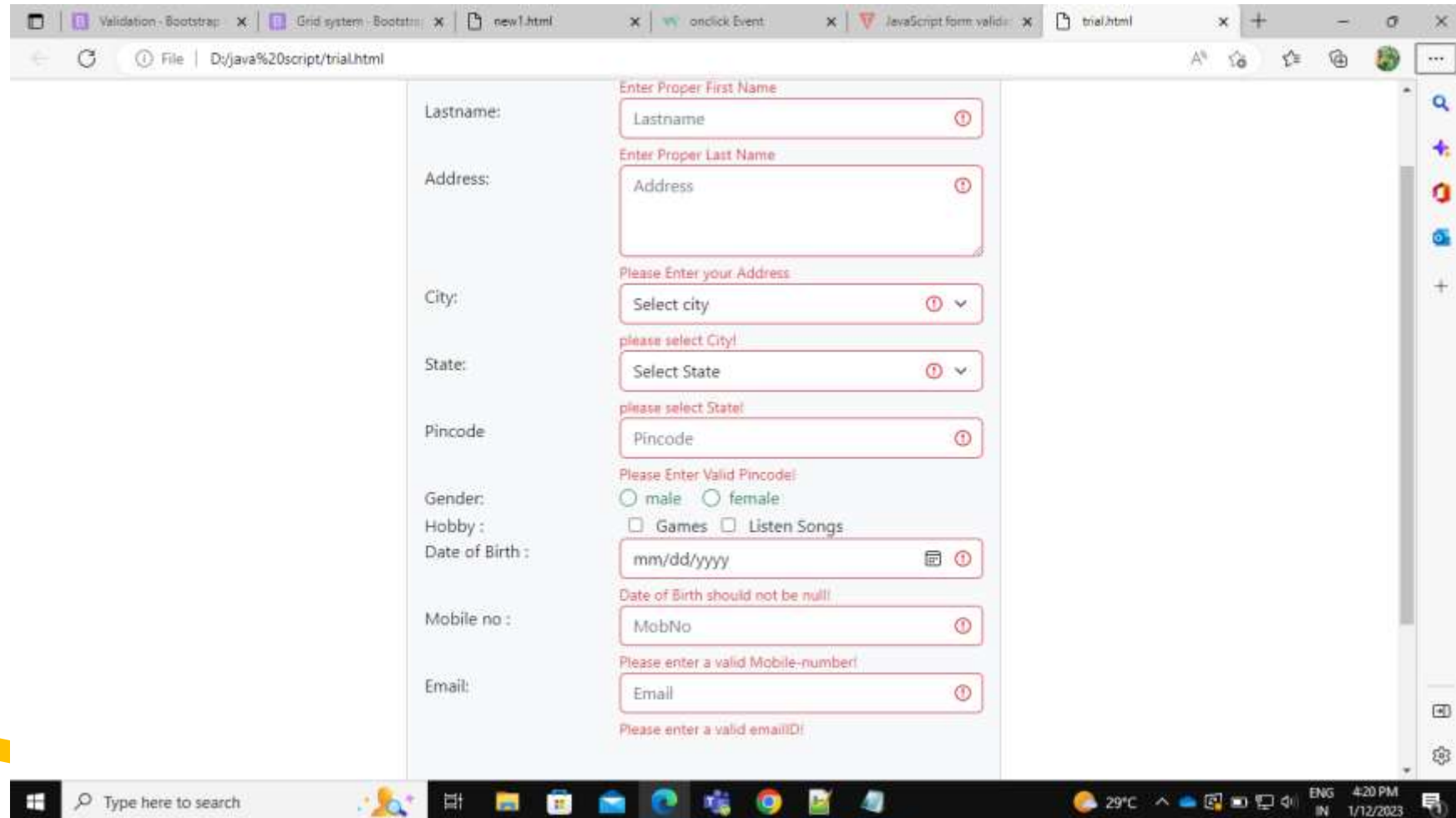
```
5  
6 public int PerformAction(int a, int b)  
7 {  
8     int sum = a + b;  
9     return sum;  
10 }  
11  
12  
13 public string PerformAction(string a, string b)  
14 {  
15     string sum = a + b;  
16     return sum;  
17 }  
18  
19 public void PerformAction()  
20 {  
21  
22     Console.WriteLine("enter correct values");  
23 }  
24  
25  
26  
27 public static void Main(String[] args)
```

The output console shows the following results:

```
sum of the two integer value : 3  
sum of the two string value : hello hi  
enter correct values  
...Program finished with exit code 0  
Press ENTER to exit console.
```

Yellow annotations are present: a bracket on the left sidebar, a bracket on the 'GOT AN OPINION?' advertisement, and a bracket on the 'enter correct values' output line.

# 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" with the following fields and validation messages:

- Lastname:** Input field with the text "Lastname" and a red error message "Enter Proper First Name".
- Address:** Input field with the text "Address" and a red error message "Enter Proper Last Name".
- City:** Dropdown menu with the text "Select city" and a red error message "Please Enter your Address".
- State:** Dropdown menu with the text "Select State" and a red error message "please select City!".
- Pincode:** Input field with the text "Pincode" and a red error message "please select State!".
- Gender:** Radio buttons for "male" and "female", both unselected.
- Hobby:** Checkboxes for "Games" and "Listen Songs", both unchecked.
- Date of Birth:** Input field with the text "mm/dd/yyyy" and a red error message "Please Enter Valid Pincode!".
- Mobile no.:** Input field with the text "MobNo" and a red error message "Date of Birth should not be null!".
- Email:** Input field with the text "Email" and a red error message "Please enter a valid Mobile-number!".

The browser's address bar shows the file path "D:\java%20script\trial.html". The Windows taskbar at the bottom indicates the system time as 4:20 PM on 1/12/2023.



# 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

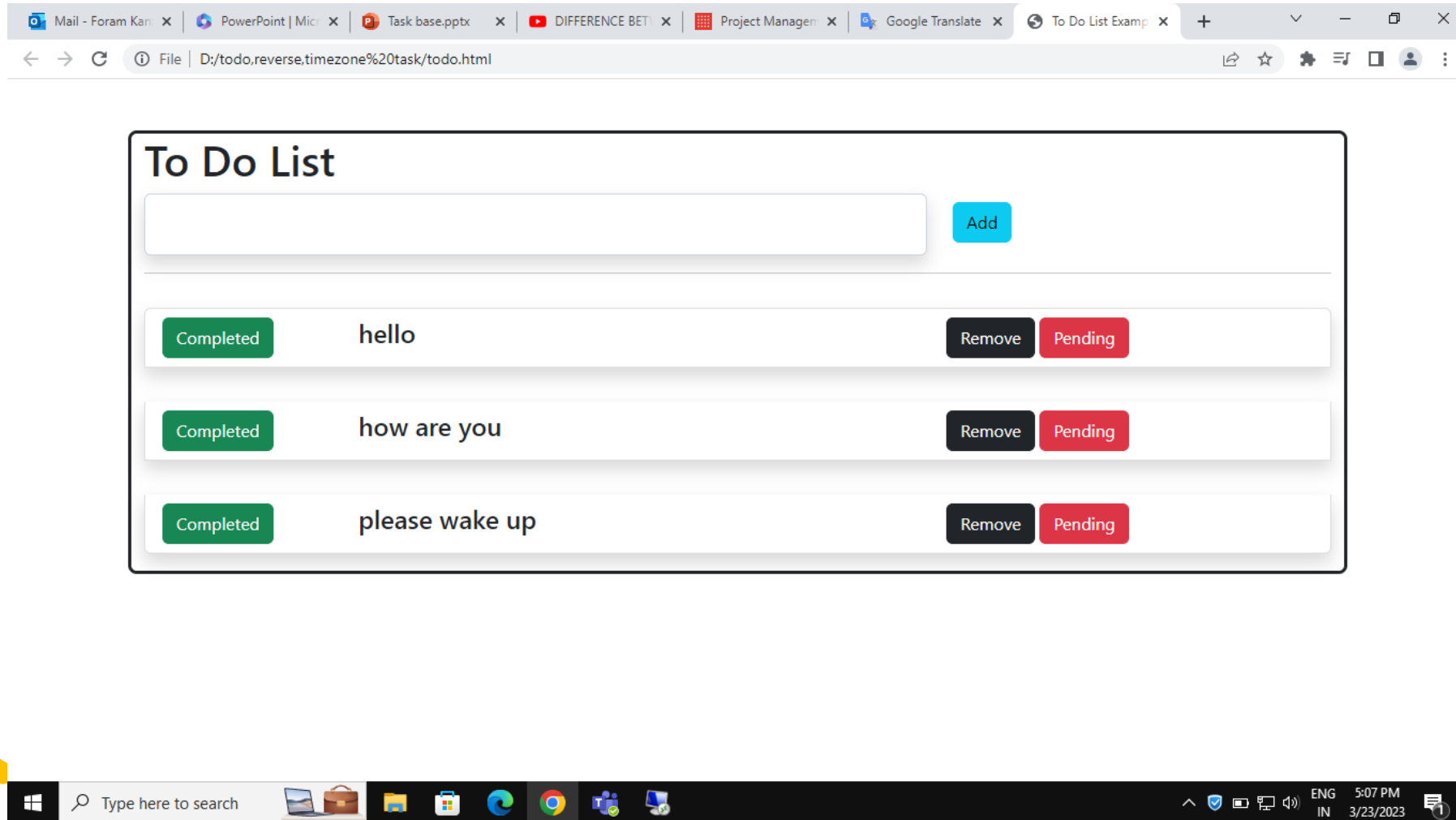
Taskbar icons

System tray

ENG IN 12:10 PM 3/22/2023



# Task:11 Todo task with jQuery.



Mail - Foram Kan x PowerPoint | Micro x Task base.pptx x DIFFERENCE BET x Project Managen x Google Translate x To Do List Examp x

File | D:/todo,reverse,timezone%20task/todo.html

## To Do List

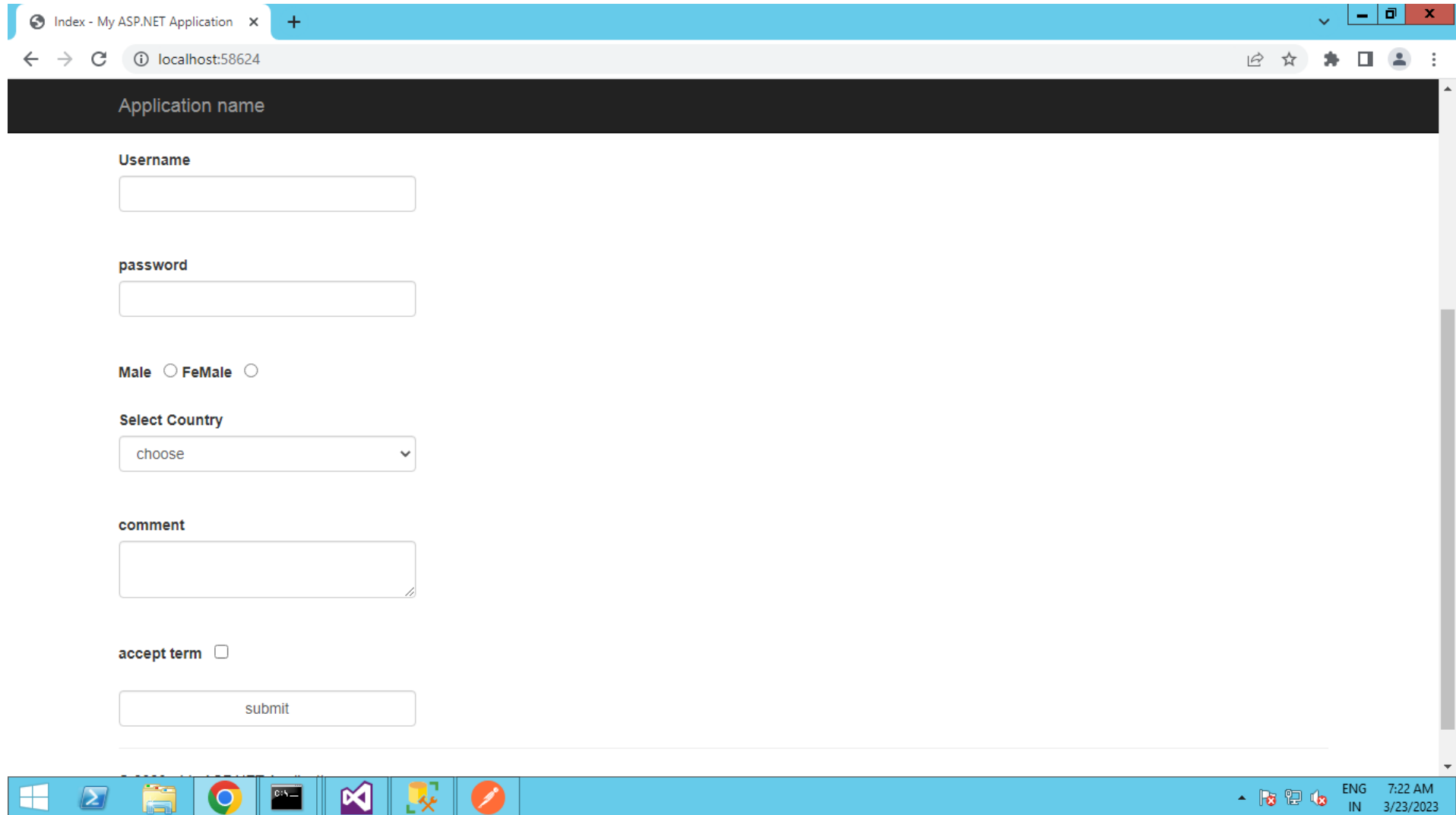
Add

Completed	hello	Remove	Pending
Completed	how are you	Remove	Pending
Completed	please wake up	Remove	Pending

Type here to search

ENG IN 5:07 PM 3/23/2023

# Task:12 Registration form in .net mvc



Index - My ASP.NET Application x +

localhost:58624

Application name

Username

password

Male ☐ Female ☐

Select Country

choose

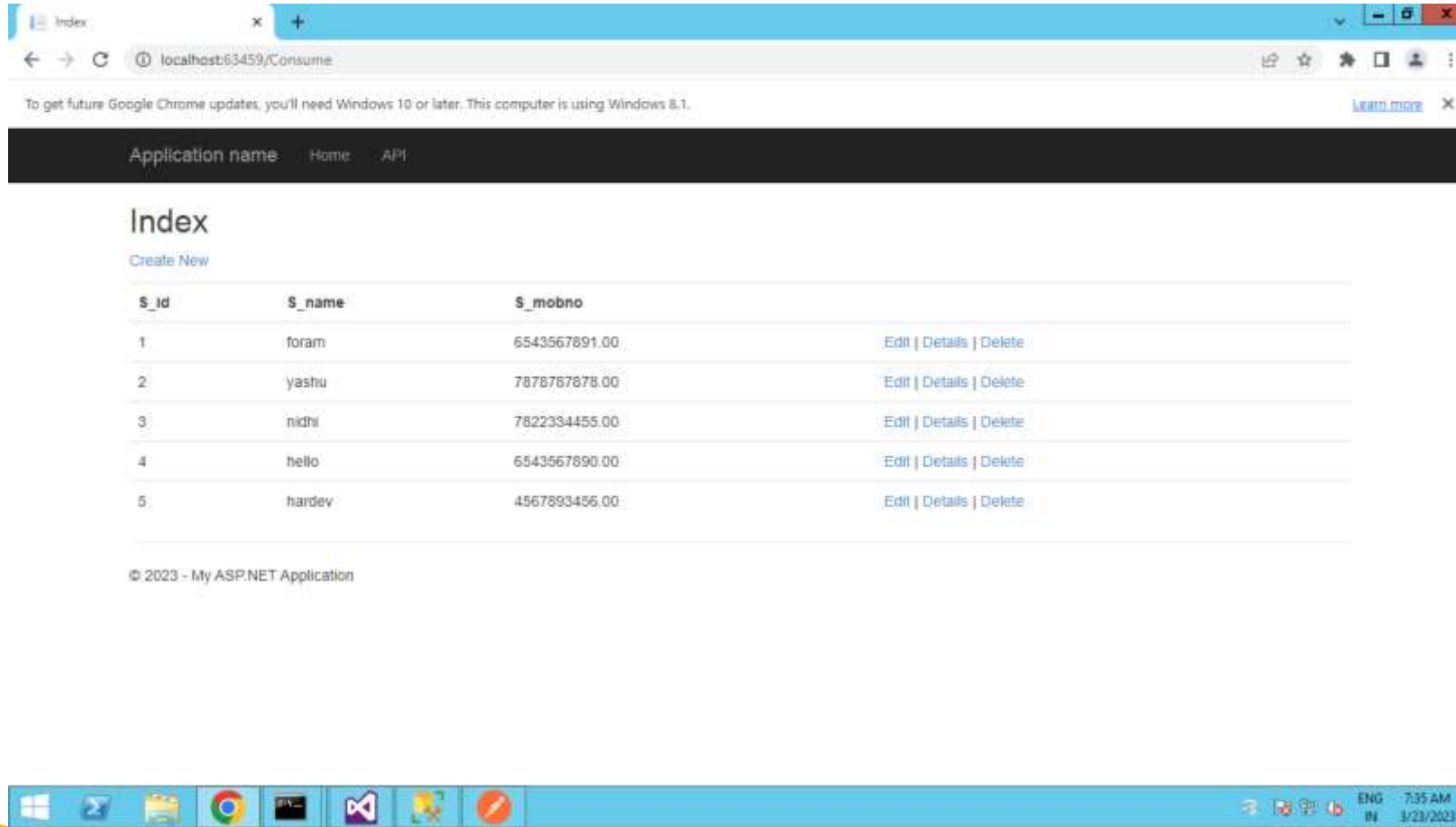
comment

accept term ☐

submit

Windows taskbar: File Explorer, Google Chrome, Visual Studio, and system tray showing language (ENG IN) and time (7:22 AM 3/23/2023).

# Task:13 Make dummy web API in .net mvc.



Index

[Create New](#)

S_id	S_name	S_mobno	
1	foram	6543567891.00	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
2	yashu	7878787878.00	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
3	nidhi	7822334455.00	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
4	hello	6543567890.00	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>
5	hardev	4567893456.00	<a href="#">Edit</a>   <a href="#">Details</a>   <a href="#">Delete</a>

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