

Assignment No.1

Name :- Nikam Sakshi Suryakant

Class :-BCA-III(B)

Roll No. :-1732

Date :-

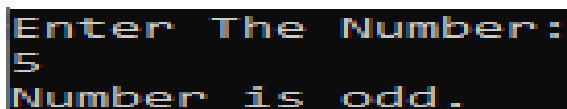
Q. Write a program to display even no and odd no using c#.

Program:-

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

namespace even_odd
{
    class Program
    {
        static void Main(string[] args)
        {
            int num;
            Console.WriteLine("Enter The Number:");
            num = int.Parse(Console.ReadLine());
            if (num % 4 == 0)
            {
                Console.WriteLine("Number is Even.");
            }
            else
            {
                Console.WriteLine("Number is odd.");
            }
            Console.ReadLine();
        }
    }
}
```

Output:-

A screenshot of a terminal window showing the output of the C# program. The text displayed is: "Enter The Number:", followed by the user input "5", and then the program output "Number is odd.". There is a small white cursor line at the bottom left.

```
Enter The Number:
5
Number is odd.
```

Assignment No.2

Name :- Nikam Sakshi Suryakant

Class :-BCA-III(B)

Roll No. :-1732

Date :-

Q. Write a program to demonstrate parameter passing mechanism and out parameter.

Program:-

1.Pass By Value

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

namespace passbyvalue
{
    class Program
    {
        static void Squareval(int valparameter)
        {
            valparameter *= valparameter;
        }
        static void Main(string[] args)
        {
            int a = 4;
            Squareval(a);
            Console.WriteLine("The value of a:" + a);
            Console.ReadLine();
        }
    }
}
```

Output:-



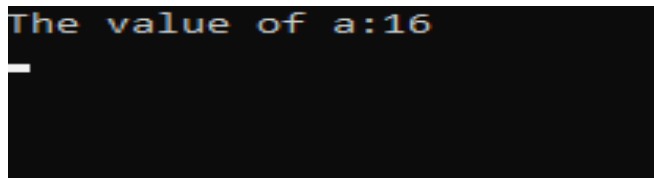
```
The value of a:4
```

2. Pass By Reference

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

namespace assbyreference
{
    class Program
    {
        static void SquareRef(ref int RefParameter)
        {
            RefParameter *= RefParameter;
        }
        static void Main(string[] args)
        {
            int a = 4;
            SquareRef(ref a);
            Console.WriteLine("The value of a:" + a);
            Console.ReadLine();
        }
    }
}
```

Output:-



```
The value of a:16
```

Assignment No.3

Name :- Nikam Sakshi Suryakant

Class :-BCA-III(B)

Roll No. :-1732

Date :-

Q. Write a program to demonstrate type casting.

Program:-

1. Implicit Type Casting

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

namespace implicit_cast
{
    class Program
    {
        static void Main(string[] args)
        {
            int num1 = 567;
            int num2 = 432;
            long num3;
            num3 = num1 + num2;
            Console.WriteLine("The addition is :" + num3);
            Console.ReadLine();
        }
    }
}
```

Output:-

A screenshot of a terminal window showing the output of the program. The text "The addition is :999" is displayed in a monospaced font on a black background. A white cursor is visible at the end of the line.

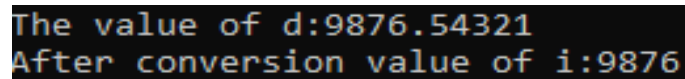
```
The addition is :999
```

2.Explicit Type Casting

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

namespace Explicit_cast
{
    class Program
    {
        static void Main(string[] args)
        {
            doubled = 9876.54321;
            int i;
            i=(int)doubled;
            Console.WriteLine("The value of d:"+doubled);
            Console.WriteLine("After conversion value of i:"+i);
            Console.ReadLine();
        }
    }
}
```

Output:-

A screenshot of a terminal window with a black background and white text. It shows the output of the program: "The value of d:9876.54321" on the first line and "After conversion value of i:9876" on the second line. A white cursor is visible at the end of the second line.

```
The value of d:9876.54321
After conversion value of i:9876
_
```

Assignment No.4

Name :- Nikam Sakshi Suryakant

Class :-BCA-III(B)

Roll No. :-1732

Date :-

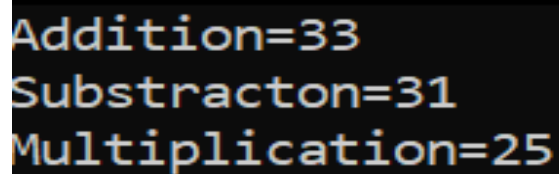
Q. Write a program to demonstrate partial class.

Program:-

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

namespace partial
{
    class p2
    {
        static void Main (string[] args)
        {
            Algebra a=new Algebra();
            a.sum(11, 22);
            a.sub(33, 2);
            a.multi(5, 5);
            Console.Read();
        }
    }
}
```

Output:-



```
Addition=33
Subtracton=31
Multiplication=25
```

Assignment No.5

Name :- Nikam Sakshi Suryakant

Class :-BCA-III(B)


Roll No. :-1732

Date :-

Q. Create a web page using server controls- Textbox, List Controls,Calender, Imagebutton,Linkbutton.


Form Design:-

Full Name	<input type="text"/>																																																	
Address	<input type="text"/>																																																	
Email	<input type="text"/>																																																	
Mobile No	<input type="text"/>																																																	
Date Of Birth	<div>< October 2024 ><table><tr><th>Sun</th><th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th><th>Fri</th><th>Sat</th></tr><tr><td>29</td><td>30</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr><tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr><tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>1</td><td>2</td></tr><tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr></table></div>	Sun	Mon	Tue	Wed	Thu	Fri	Sat	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9
Sun	Mon	Tue	Wed	Thu	Fri	Sat																																												
29	30	1	2	3	4	5																																												
6	7	8	9	10	11	12																																												
13	14	15	16	17	18	19																																												
20	21	22	23	24	25	26																																												
27	28	29	30	31	1	2																																												
3	4	5	6	7	8	9																																												
LinkButton																																																		



Output:-

Full Name :-	<input type="text" value="Sakshi Suryakant Nikam"/>																																																	
Address:-	<input type="text" value="Deur , Satara"/>																																																	
Email:-	<input type="text" value="sakshin375@gmail.com"/>																																																	
Mobile No:-	<input type="text" value="09579337352"/>																																																	
Date Of Birth :-	<div>December January February<table><tr><th>Sa</th><th>Mo</th><th>Tu</th><th>We</th><th>Th</th><th>Fr</th><th>Sa</th></tr><tr><td>31</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr><tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr><tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr><tr><td>28</td><td>29</td><td>30</td><td>31</td><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr></table></div>	Sa	Mo	Tu	We	Th	Fr	Sa	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10
Sa	Mo	Tu	We	Th	Fr	Sa																																												
31	1	2	3	4	5	6																																												
7	8	9	10	11	12	13																																												
14	15	16	17	18	19	20																																												
21	22	23	24	25	26	27																																												
28	29	30	31	1	2	3																																												
4	5	6	7	8	9	10																																												
LinkButton																																																		



Assignment No.6

Name :- Nikam Sakshi Suryakant

Class :-BCA-III(B)

Roll No. :-1732

Date :-

Q. Write a program to create a web page showing use of following validation controls

1. Required field validator
2. Range validator
3. Compare validator
4. Custom validator
5. Regular expression validator
6. Validation summary

Form Design:

Frist Name	<input type="text"/>	This field is required
Last Name	<input type="text"/>	This field is required
Email ID	<input type="text"/>	This field is required Please enter valid email address
Password	<input type="password"/>	This field is required
Confirm Password	<input type="password"/>	This field is required Please enter correct password
Gender	<input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Other	
Mobile No.	<input type="text"/>	This field is required
<input type="button" value="Submit"/> <input type="button" value="Clear"/>		
<ul style="list-style-type: none">• Error message 1.• Error message 2.		

Output:-

First Name this field is required
Last Name this field is required
Email Id this field is requirrd please enter email address
Password this field is required
Confirm Password this field is required Please enter correct password

Gender ☐ Male
☒ Female
☐ Other

Mobile No this field is required

Assignment No.7

Name :- Nikam Sakshi Suryakant

Class :-BCA-III(B)

Roll No. :-1732

Date :-

Q. Write a program to create a database for medical shop system and represente data using gridview.

Form Design:

Medical Shop,Satara

[Label2]

Id	<input type="text"/>
Shop Name	<input type="text"/>
Address	<input type="text"/>
Insert Cancel	

[Label3]

Id	Shop Name	Address
0	Edit Delete	abc
1	Edit Delete	abc
2	Edit Delete	abc
3	Edit Delete	abc
4	Edit Delete	abc

SqlDataSource - SqlDataSource1

Output:-

←

→

↻

localhost:42502/Default.aspx

Medical shop pune

ID	<input type="text" value="Sakshi"/>
SHOP NAME	<input type="text" value="Nikam medical"/>
ADDRESS	<input type="text" value="Satara Road"/>
Insert Cancel	

<u>Id</u>	<u>Shop Name</u>	<u>Address</u>
<u>Sakshi</u>	<u>Nikam medical</u>	<u>Satara Road</u>
<u>Diksha</u>	<u>Thorat</u>	<u>Satara</u>

Assignment No.8

Name :- Nikam Sakshi Suryakant

Class :-BCA-III(B)

Roll No. :-1732

Date :-

Q. Using ADO.NET, create a student database and perform operations like- insert,update and delete records.

Form Design:-

Student Roll	<input type="text"/>	
Student Name	<input type="text"/>	
Class	<input type="text"/>	
Percentage	<input type="text"/>	
<input type="button" value="Insert"/>	<input type="button" value="Delete"/>	<input type="button" value="Update"/>

Output:- s

Student Roll	<input type="text" value="01"/>	
Student Name	<input type="text" value="Sakshi Nikam"/>	
Class	<input type="text" value="BCA III"/>	
Percentage	<input type="text" value="72%"/>	
<input type="button" value="Insert"/>	<input type="button" value="Delete"/>	<input type="button" value="Update"/>
Enter ID for Updates	<input type="text" value="sakshin04@gmail.com"/>	

Student Roll	Student Name	Class	Percentage
01	Sakshi Nikam	BCA III	72%
02	Pradnya Shinde	BCA II	82%
03	Shravani Sutar	BCA I	92%

Assignment No.9

Name :- Nikam Sakshi Suryakant

Class :-BCA-III(B)

Roll No. :-1732

Date :-

Q. Develop ASP.NET application for uploading Image.

From Design:-

Image Upload	
upload image	<input type="text"/> Browse...
<input type="text"/>	<input type="button" value="Submit"/>

Output:-

Image Upload

upload image

Browse...

No file selected.

Sakshi

Submit

number 1

number 2

number 3

number 4