

C:\windows\system32\cmd.exe

```
Enter the first number  
12  
Enter the second number  
32  
First number is smaller than the second number  
Press any key to continue . . .
```

133 %

Output

Show c

Build

1>---

1> p

=====

===== Build completed at 10:17 am and took 0.324 seconds =====



Program.cs What's New?

C# program2 switchcase Main(string[] args)

```
1 using System;
2 class switchcase
3 {
4     public static void Main(String[] args)
5     {
6         char ch;
7         int i = 0;
8         Console.WriteLine("Enter an Alphabet or Number or Special char");
9         ch = Convert.ToChar(Console.ReadLine());
10        if (ch >= 'a' && ch <= 'z' || ch >= 'A' && ch <= 'Z')
11            i = 1;
12        else if (ch >= '0' && ch <= '9')
13            i = 2;
14        else
15            i = 3;
16        switch (i)
17        {
18            case 1:
19                Console.WriteLine("alphabet");
20                break;
21            case 2:
22                Console.WriteLine("number");
23                break;
24        }
25    }
26}
```

No issues found

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'program2' (1 of 1 project)

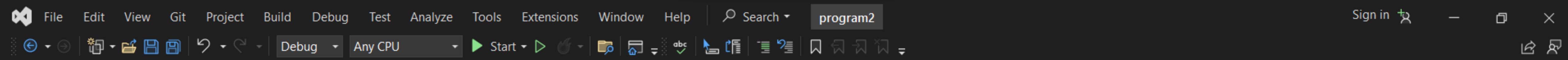
program2

- Properties
- References
- App.config
- Program.cs

Output

Show output from: Build





Program.cs* What's New?

program2

```
i = 3;
switch (i)
{
    case 1:
        Console.WriteLine("alphabet");
        break;
    case 2:
        Console.WriteLine("number");
        break;
    case 3:
        Console.WriteLine("Special char");
        break;
}
```

110 % No issues found

Output

Show output from:

Solution Explorer

Main(string[] args)

Search Solution Explorer (Ctrl+Shift+F)

Solution 'program2' (1 of 1 project)

program2

- Properties
- References
- App.config
- Program.cs

Solution Explorer Git Changes

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search program2

Sign in + - □ X

Debug Any CPU Start abc

C:\windows\system32\cmd.exe

Enter an Alphabet or Number or Special char

W

alphabet

Press any key to continue . . .

Solution Explorer

Search Solution Explorer (Ctrl+)

Solution 'program2' (1 of 1 project)

program2

- Properties
- References
- App.config
- Program.cs

110

Ou

Sh

Solution Explorer Git Changes

Build succeeded

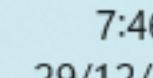
Add to Source Control Select Repository



Search



ENG
IN



7:46 pm
29/12/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search program3

Sign in - X

Program.cs

C# program3

Exprogram

Main(string[] args)

```
1 using System;
2 class Exprogram
3 {
4     static void Main(String[] args)
5     {
6         int a = 10, b = 6, c = 5, x;
7         try
8         {
9             Exception ex = new Exception("error info can be found at program:");
10            ex.HelpLink = ("http://www.Maths.com");
11            x = a / (b - c);
12            throw ex;
13        }
14        catch (Exception e)
15        {
16            Console.WriteLine("Division by zero");
17            Console.WriteLine("Member name:{0}", e.TargetSite);
18            Console.WriteLine("Message:{0}", e.Message);
19            Console.WriteLine("Source:{0}", e.StackTrace);
20            Console.WriteLine("HelpLink:{0}", e.HelpLink);
21        }
22        Console.ReadLine();
23    }
24}
25
```

No issues found

145 % | Ln: 25 Ch: 1 SPC MIXED

Ready

Add to Source Control | Select Repository

ENG IN 8:44 pm 29/12/2023

Search

abc

3

29/12/2023

A screenshot of a Microsoft Visual Studio IDE interface showing a C# program named "program3".

The main window displays the code for Program.cs:

```
1 using System;
0 references
2 C:\windows\system32\cmd.exe X + -
3 Division by zero
Member name:Void Main(System.String[])
Message:error info can be found at program:
Source: at Exprogram.Main(String[] args) in C:\programc#\program3\program3\Program.cs:line 12
HelpLink:http://www.Maths.com
4
5
6
7
8
9
10
11
12
13
14
15
16
17
```

The status bar at the bottom shows the following information:

- Ln: 25 Ch: 1 SPC MIXED
- Add to Source Control
- Select Repository
- ENG IN
- 8:44 pm
- 29/12/2023

A screenshot of a Windows desktop environment displaying a Visual Studio code editor window. The window title is "Program.cs" and the file path is "C:\programc#\program3.1\program3.1\Program.cs". The code editor shows the following C# code:

```
1 using System;
2 Division by zero
3 Member name:Void Main(System.String[])
4 Message:Attempted to divide by zero.
5 Source: at Exprogram.Main(String[] args) in C:\programc#\program3.1\program3.1\Program.cs:line 11
6 HelpLink:
7
8
9
10
11
12
13
14
15
16
17
```

The status bar at the bottom indicates "Build succeeded". The taskbar at the bottom includes icons for File Explorer, Search, Task View, and several pinned applications.

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search program4 Sign in

Program.cs x Data Sources

Program.cs Debug Any CPU Start abc Main()

```
1 using System;
2 using System.Security.AccessControl;
3 using System.Xml.Schema;
0 references
4 class Program
{
0 references
6 public static void Main()
{
8     int[][] jag = new int[3][];
9     int sum = 0;
10
11    jag[0]= new int[4] { 1, 2, 3, 4 };
12    jag[1] = new int[2] { 2, 3 };
13    jag[2]= new int[3] {2,3,4};
14
15    for (int i = 0; i < jag.Length;i++)
16    {
17        for(int j = 0; j < jag[i].Length;j++)
18        {
19            sum += sum + jag[i][j];
20        }
21    }
22
23    Console.WriteLine("sum="+sum);
24    Console.ReadLine();
25
26
27 }
```

132 % No issues found | Ln: 26 Ch: 1 SPC CRLF

Ready Add to Source Control Select Repository ENG IN 10:31 pm 29/12/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search program4 Sign in

C:\windows\system32\cmd.exe + X Data Sources

sum=24

Ln: 26 Ch: 1 SPC CRLF

Ready Add to Source Control Select Repository ENG IN 10:31 pm 29/12/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search program5

Sign in - X

Program.cs

C# program5

Main(string[] args)

```
1 using System;
  1 reference
2 public interface IDraw
3 {
4     void draw();
5 }
  1 reference
6 public interface IPrint:IDraw
7 {
8     void print();
9 }
  1 reference
10 public interface IMeta:IPrint
11 {
12     void Render();
13 }
  2 references
14 public class SuperImage :IMeta
15 {
16     public void draw()
17     {
18         Console.WriteLine("Draw of IDraw");
19     }
20     public void print()
21     {
```

132 % No issues found | ⚡

Add to Source Control Select Repository

ENG IN 10:55 pm
29/12/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search program5

Sign in - X

Program.cs* Data Sources

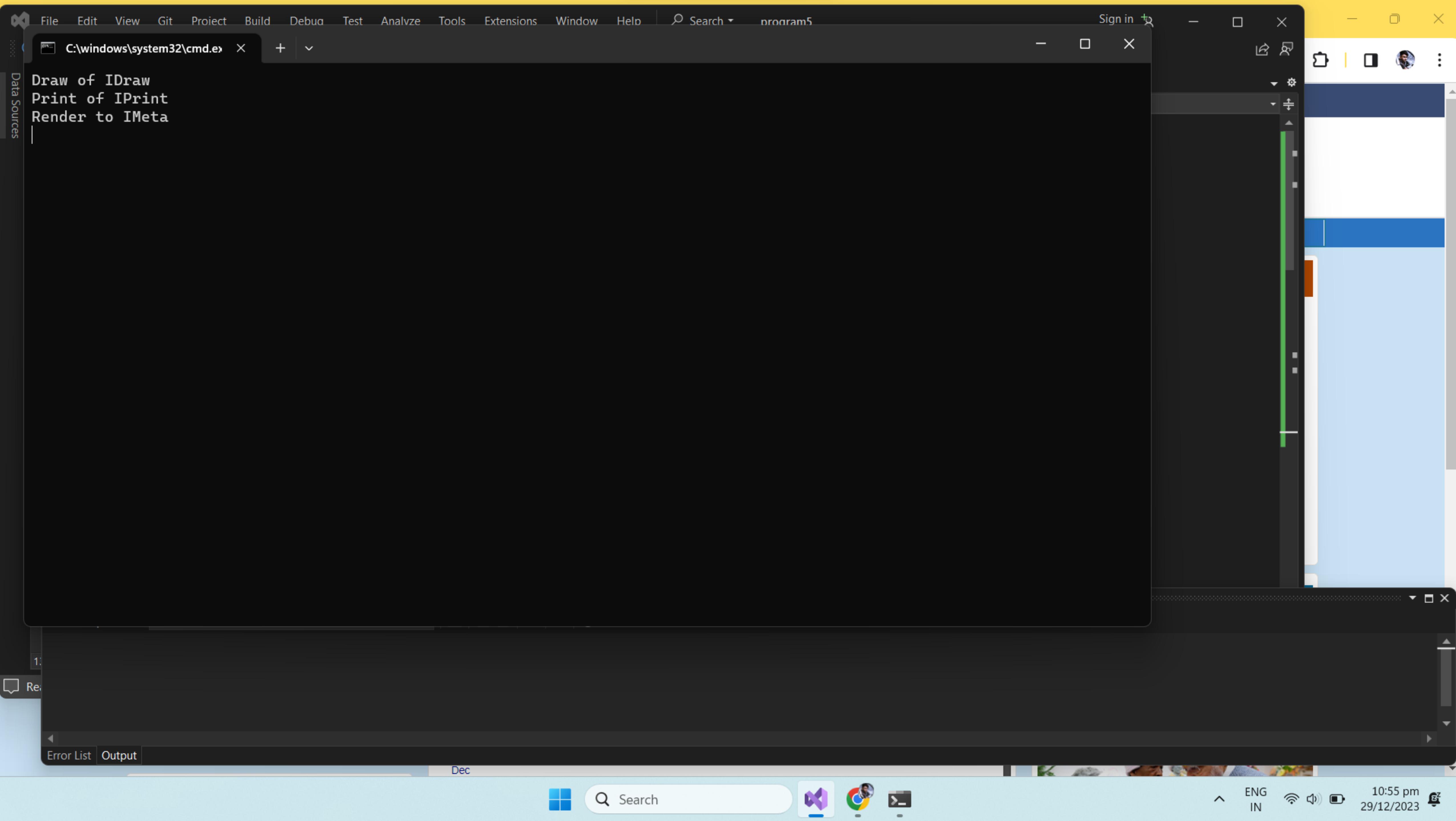
C# program5 SuperImage Render()

```
18     Console.WriteLine("Draw of IDraw");
19 }
20 public void print()
21 {
22     Console.WriteLine("Print of IPrint");
23 }
24 public void Render()
25 {
26     Console.WriteLine("Render to IMeta");
27 }
28 }
29
30 class exp
31 {
32 static void Main(string[] args)
33 {
34     SuperImage si= new SuperImage();
35     si.draw();
36     si.print();
37     si.Render();
38     Console.ReadLine();
39 }
40 }
41 }
42 
```

132 % No issues found | Add to Source Control | Select Repository | 10:55 pm
Ready | ENG IN | 29/12/2023

Search

10:55 pm
29/12/2023



File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search program6

Sign in - X

Program.cs* Data Sources

C# program6

SQUARE draw()

```
1 using System;
2 3 references
3
4 abstract class Shape
5 {
6     4 references
7     public abstract void draw();
8 }
9 1 reference
10 class Circle : Shape
11 {
12     3 references
13     public override void draw()
14     {
15         Console.WriteLine("DRAW CIRCLE");
16     }
17 }
18 1 reference
19 class SQUARE : Shape
20 {
21     0 references
22     public override void draw()
23     {
24         Console.WriteLine("DRAW SQUARE");
25     }
26 }
27 0 references
28 class abstract1
29 {
30     0 references
31     static void Main()
32     {
33         Shape s= new Circle();
34         s.draw();
35         s= new SQUARE();
36         s.draw();
37         Console.ReadLine();
38     }
39 }
40 }
```

98 % No issues found | Ln: 32 Ch: 1 SPC CRLF

Ready Add to Source Control Select Repository

ENG IN 8:57 pm 30/12/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search Output

Show output from: Build
Build started at 8:57 pm...
1>----- Build started: Project: program6, Configuration: Debug Any CPU -----

Program C:\windows\system32\cmd.exe

DRAW CIRCLE
DRAW SQUARE

100% No issues found

Build succeeded

ENG IN 8:57 pm 30/12/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search | WindowsFormsApp15 | Sign in

Debug Any CPU Start | Data Sources | Form1.cs [Design] | WindowsFormsApp15 | RadioCheckBoxDemApp.Mainwindow | result | Properties | Solution Explorer | Search Solution Explorer (Ctrl+) | Solution 'WindowsFormsApp15' (1 of 1 project) | WindowsFormsApp15 | Properties | References | App.config | Form1.cs | Form1.Designer.cs | Form1.resx | Programs.cs |

```
1 using System;
2 using System.ComponentModel;
3 using System.Drawing;
4 using System.Windows.Forms;
5
6 namespace RadioCheckBoxDemApp
7 {
8     public partial class Mainwindow : Form
9     {
10         private CheckBox ChkFloorMats;
11         private Button btnshow;
12         private TextBox result;
13         private GroupBox colorGroup;
14         private RadioButton radioGreen, radioYellow, radioPink;
15
16         public Mainwindow()
17         {
18             this.Height = 300;
19             this.Width = 400;
20
21             ChkFloorMats = new CheckBox();
22             ChkFloorMats.Location = new System.Drawing.Point(40, 30);
23             ChkFloorMats.Size = new Size(150, 25);
24             ChkFloorMats.Text = "Need Extra Floor Mats";
25             Controls.Add(ChkFloorMats);
26             ChkFloorMats.CheckedChanged += new System.EventHandler(this.ChkFloorMats_CheckedChanged);
27
28             radioGreen = new RadioButton();
29             radioGreen.Location = new Point(20, 25);
30             radioGreen.Size = new System.Drawing.Size(70, 25);
31             radioGreen.Text = "Green";
```

118 % | No issues found | Ln: 108 Ch: 1 SPC CRLF | Add to Source Control | Select Repository | ENG IN | 6:36 pm | 12/01/2024

Form1.Designer.cs Program.cs Form1.cs [Design] WindowsFormsApp15

```
radioGreen.Location = new Point(20, 25);
radioGreen.Size = new System.Drawing.Size(70, 25);
radioGreen.Text = "Green";

radioYellow = new RadioButton();
radioYellow.Location = new Point(100, 25);
radioYellow.Size = new System.Drawing.Size(70, 25);
radioYellow.Text = "Yellow";

radioPink = new RadioButton();
radioPink.Location = new Point(180, 25);
radioPink.Size = new System.Drawing.Size(70, 25);
radioPink.Text = "Pink";

colorGroup = new GroupBox();
colorGroup.Location = new System.Drawing.Point(20, 60);
colorGroup.Height = 60;
colorGroup.Width = 300;
colorGroup.Text = "Exterior Color";

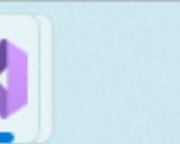
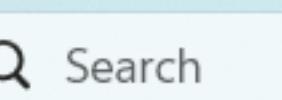
colorGroup.Controls.Add(radioGreen);
colorGroup.Controls.Add(radioYellow);
colorGroup.Controls.Add(radioPink);
Controls.Add(colorGroup);

result = new TextBox();
result.Multiline = true;
result.Location = new Point(20, 150);
result.Size = new Size(200, 80);
result.ScrollBars = System.Windows.Forms.ScrollBars.Vertical;

Controls.Add(result);
btnshow = new Button();
```

118 % No issues found

Ln: 108 Ch: 1 SPC CRLF Add to Source Control Select Repository



Properties Solution Explorer

Search Solution Explorer (Ctrl+.)

Solution 'WindowsFormsApp15' (1 of 1 project)

- WindowsFormsApp15
 - Properties
 - References
 - App.config
 - Form1.cs
 - Form1.Designer.cs
 - Form1.resx
- C# Programs.cs

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search WindowsFormsApp15 Sign in

Form1.Designer.cs Program.cs Form1.cs [Design] Debug Any CPU Start abc result

```
WindowsFormsApp15
56     result.Location = new Point(20, 150);
57     result.Size = new Size(200, 80);
58     result.ScrollBars = System.Windows.Forms.ScrollBars.Vertical;
59
60     Controls.Add(result);
61     btnshow = new Button();
62     btnshow.Location = new Point(250, 180);
63     btnshow.Text = "Submit";
64     Controls.Add(btnshow);
65     btnshow.Click += new System.EventHandler(this.btnshow_Clicked);
66
67     Closing += new CancelEventHandler(MainWindow_Closing);
68 }
69
70 1 reference
71 private void MainWindow_Closing(object sender, CancelEventArgs e)
72 {
73     MessageBox.Show("Have a Nice day!!!");
74 }
75
76 1 reference
77 private void ChkFloorMats_CheckedChanged(object sender, EventArgs e)
78 {
79     if (ChkFloorMats.Checked)
80         MessageBox.Show("Selected Floor Mats");
81 }
82
83 1 reference
84 private void btnshow_Clicked(object sender, EventArgs e)
85 {
86     result.Text = " ";
87     string orderString = " ";
```

118 % No issues found | Add to Source Control Select Repository 6:37 pm 12/01/2024

Ready Data Sources Proper Solution Explorer

Search Solution Explorer (Ctrl+Shift+F) Solution 'WindowsFormsApp15' (1 of 1 project)

WindowsFormsApp15 Properties References App.config Form1.cs Form1.Designer.cs Form1.resx Programs.cs

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search WindowsFormsApp15 Sign in

Form1.Designer.cs Program.cs Form1.cs [Design] Debug Any CPU Start | abc | result

WindowsFormsApp15 Preference RadioCheckBoxDemApp.Mainwindow result

```
81     private void btnshow_Clicked(object sender, EventArgs e)
82     {
83         result.Text = " ";
84         string orderString = " ";
85
86         if (ChkFloorMats.Checked)
87         {
88             orderString += "You have selected for floor mats\n";
89             if (radioGreen.Checked)
90                 orderString += "You have selected Green color mat\n";
91             if (radioYellow.Checked)
92                 orderString += "You have selected Yellow color mat\n";
93             if (radioPink.Checked)
94                 orderString += "You have selected Pink color mat\n";
95             result.Text += orderString;
96         }
97
98
99
100
101        0 references
102        static void Main(string[] args)
103        {
104            Application.Run(new Mainwindow());
105        }
106    }
107
108 }
```

118 % No issues found | SPC CRLF | Ln: 108 Ch: 1 Add to Source Control Select Repository ENG IN 6:37 pm 12/01/2024

Ready Data Sources Proper Solution Explorer

Search Solution Explorer (Ctrl+;) Solution 'WindowsFormsApp15' (1 of 1 project)

- WindowsFormsApp15
 - Properties
 - References
 - App.config
 - Form1.cs
 - Form1.Designer.cs
 - Form1.resx
 - C# Programs.cs

Search Search

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search part1 Sign in

Debug Any CPU Start | Program.cs* part1

Program.cs* part1

Program.Bpgm2 Main()

```
1 using System;
2 namespace Program
3 {
4     internal class Bpgm2
5     {
6         public static void Main()
7         {
8             int x;
9             int y;
10            Console.WriteLine("Enter the value of x");
11            x = Convert.ToInt32(Console.ReadLine());
12            Console.WriteLine("Enter the value of y");
13            y = Convert.ToInt32(Console.ReadLine());
14
15            int sum=AddNumbers(x,y);
16            Console.WriteLine("The sum {0} and {1} is {2}", x, y, sum);
17            DisplayMessage("Hello World");
18        }
19
20        public static int AddNumbers(int a,int b)
21        {
22            int result = a + b;
23            return result;
24        }
25
26        public static void DisplayMessage(string message)
27        {
28            Console.WriteLine(message);
29        }
}
```

No issues found | 119 % | Ln: 30 Ch: 1 SPC CRLF

Add to Source Control | Select Repository | Ready | ENG IN | 9:05 pm | 30/12/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search Output

Show output from: Build

Build started at 9:05 pm...

1>----- Build started: Project: partb1, Configuration: Debug Any CPU -----

1> partb1 -> C:\programc#\partb1\partb1\bin\Debug\partb1.exe

===== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped =====

===== Build completed at 9:05 pm and took 00.237 seconds =====

Program.cs

C# partb1

```
1 using System;
2
3 Enter the value of x
4 20
5 Enter the value of y
6 16
7 The sum 20 and 16 is 36
8 Hello World
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
```

119 % No issues found

Build succeeded

9:06 pm 30/12/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search part2

Sign in - □ X

Program.cs x

C# partb2 BPgm3.Program Main(string[] args)

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace BPgm3
8 {
9     internal class Program
10    {
11        static void Main(string[] args)
12        {
13            int count = 0;
14            double MinHeight = 157.5;
15            Console.WriteLine("Enter the number of Candidates participated for army drive");
16            int n=int.Parse(Console.ReadLine());
17
18            double[]height = new double[n];
19            Console.WriteLine("Enter {0} candidates, height in centimeters",n);
20            for(int i=0;i<height.Length;i++)
21            {
22                height[i]= double.Parse(Console.ReadLine());
23            }
24            Console.WriteLine("List of Candidates eligible on the basis of height are");
25            for(int i=0;i<height.Length ; i++)
26            {
27                if (height[i] > MinHeight)
28                {
29                    Console.WriteLine(height[i]);
30                    count++;
31                }
32            }
33            Console.WriteLine("Total selected Candidates are -----> {0}", count);
34            Console.ReadLine();
35        }
36    }
37 }
```

98 % No issues found | Add to Source Control | Select Repository | Ready

LN: 31 Ch: 15 SPC CRLF

ENG IN 9:17 pm 30/12/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search Output

Show output from: Build

Program.cs

C# partb2

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 class Program
8 {
9     static void Main(string[] args)
10    {
11        int n;
12        Console.WriteLine("Enter the number of Candidates participated for army drive");
13        n = int.Parse(Console.ReadLine());
14        List<Candidate> candidates = new List<Candidate>();
15        for (int i = 0; i < n; i++)
16        {
17            double height;
18            Console.WriteLine("Enter {0} candidate's height in centimeters", i + 1);
19            height = double.Parse(Console.ReadLine());
20            Candidate candidate = new Candidate();
21            candidate.Name = "Candidate " + (i + 1);
22            candidate.Height = height;
23            candidates.Add(candidate);
24        }
25        Console.WriteLine("List of Candidates eligible on the basis of height are");
26        foreach (Candidate candidate in candidates)
27        {
28            if (candidate.Height >= 157.5)
29            {
30                Console.WriteLine(candidate.Name);
31            }
32        }
33        int selectedCandidates = candidates.Count(c => c.Height >= 157.5);
34        Console.WriteLine("Total selected Candidates are -----> {0}", selectedCandidates);
35    }
36 }
37 }
```

C:\windows\system32\cmd.exe

Enter the number of Candidates participated for army drive
5
Enter 5 candidates, height in centimeters
145
157
157.6
159
157.5
List of Candidates eligible on the basis of height are
157.6
159
Total selected Candidates are -----> 2

98 %

Ready

Search

ENG IN

9:19 pm

30/12/2023

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search ConsoleApp64 PN - X

Debug Any CPU ConsoleApp64 abc 28/12/2023 6:48 pm

Program.cs

```
ConsoleApp64    BPgm4.Program    Main(string[] args)
```

```
26     char[] regarray = regno[i].ToCharArray();
27     for (int j = 0; j < 2; j++)
28     {
29         c[j] = regarray[j];
30     }
31     for (int j = 2, k = 0; j < 4; j++, k++)
32     {
33         s[k] = regarray[j];
34     }
35     std_reg = new string(regarray);
36     course = new string(c);
37     sem = new string(s);
38     year = new string(s);
39     switch (course)
40     {
41         case "BA":
42         case "ba":
43
44             year = Checksem(sem);
45             std_course = "BA";
46             Console.WriteLine("{0}\t\t\t{1}\t\t{2}\t\t{3}", std_reg, std_course, sem, year);
47             break;
48         case "BC":
49         case "bc":
50             year = Checksem(sem);
51
52             std_course = "BCA";
53             Console.WriteLine("{0}\t\t\t{1}\t\t{2}\t\t{3}", std_reg, std_course, sem, year);
54             break;
55
56         case "BS":
57         case "bs":
58             year = Checksem(sem);
59             std_course = "Bsc";
```

113 % 0 2 ▲ ↓ ⌂ Add to Source Control Select Repository ENG IN 28/12/2023 6:48 pm


```
1 Enter 10 Register numbers
2 BA2123
3 BM2234
4 BS2033
5 BC2178
6 BM2276
7 BS2145
8 BA2067
9 BC2189
10 BS2185
11 BM2240
```

Register number	course	year
BA2123	BA	third
BM2234	Bcom	first
BS2033	Bsc	fifth
BC2178	BCA	third
BM2276	Bcom	first
BS2145	Bsc	third
BA2067	BA	fifth
BC2189	BCA	third
BS2185	Bsc	third
BM2240	Bcom	first

98 %

Output

Show output

Build start

1>----- B

1>Skipping

1>ConsoleA

=====

=====

Package Man

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search | ConsoleApp55 | PN | - | □ | X

Debug Any CPU | ConsoleApp55 | abc | 6:51 pm | 28/12/2023

Program.cs + X | MyDel2

```
1
2     using System;
3     using System.Collections.Generic;
4     using System.Linq;
5     using System.Text;
6     using System.Threading.Tasks;
7     delegate int MyDel1(int num);
8     delegate int MyDel2(int num1, int num2);
8 references
9     public class MathClass
10    {
11        static int res = 0;
1 reference
12        public static int Cube(int num)
13        {
14            res = num * num * num;
15            return res;
16        }
17    }
1 reference
18    public static int Square(int num)
19    {
20        res = num * num;
21        return res;
22    }
2 reference
23    public static int Max(int num1, int num2)
24    {
25        if (num1 > num2)
26            res = num1;
27        else
28            res = num2;
29        return res;
30    }
31    public static int Min(int num1, int num2)
32    {
33        if (num1 < num2)
34            res = num1;
```

100 % | No issues found | ⚙ | Ln: 72 Ch: 2 SPC CRLF

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The screenshot shows the Microsoft Visual Studio interface with the following details:

- Menu Bar:** File, Edit, View, Git, Project, Build, Debug, Test, Analyze, Tools, Extensions, Window, Help.
- Search Bar:** Search.
- Toolbars:** Standard toolbar with icons for Undo, Redo, Save, Print, etc.
- Project Explorer:** Shows the project "ConsoleApp64" and file "Program.cs".
- Solution Explorer:** Shows the solution "BPgm4" with "Program.cs" selected.
- Task List:** Shows items like "Main(string[] args)" and "Checksem(sem)".
- Code Editor:** Displays the "Program.cs" code in dark mode. The code handles student registration data from a character array and prints it to the console based on the course selected ("BA", "BC", or "BS").
- Status Bar:** Shows file status (Ready), zoom level (113%), line number (Ln: 9), character position (Ch: 2), and other development metrics.
- Bottom Icons:** Includes icons for Windows Start, Search, Task View, File Explorer, and Camera.

```
26     char[,] regarray = regno[i].ToCharArray();
27     for (int j = 0; j < 2; j++)
28     {
29         c[j] = regarray[j];
30     }
31     for (int j = 2, k = 0; j < 4; j++, k++)
32     {
33         s[k] = regarray[j];
34     }
35     std_reg = new string(regarray);
36     course = new string(c);
37     sem = new string(s);
38     year = new string(s);
39     switch (course)
40     {
41         case "BA":
42         case "ba":
43             year = Checksem(sem);
44             std_course = "BA";
45             Console.WriteLine("{0}\t\t\t{1}\t\t\t{2}\t\t\t{3}", std_reg, std_course, sem, year);
46             break;
47         case "BC":
48         case "bc":
49             year = Checksem(sem);
50
51             std_course = "BCA";
52             Console.WriteLine("{0}\t\t\t{1}\t\t\t{2}\t\t\t{3}", std_reg, std_course, sem, year);
53             break;
54
55         case "BS":
56         case "bs":
57             year = Checksem(sem);
58             std_course = "Bsc";
59     }
```

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search | ConsoleApp55

Debug Any CPU | ConsoleApp55 | abc | 6:52 pm | 28/12/2023

Program.cs* | MyDel2

```
internal class Program
{
    static void Main(string[] args)
    {
        MyDel1 obj1 = new MyDel1(MathClass.Cube);
        MyDel1 obj2 = new MyDel1(MathClass.Square);
        MyDel2 obj3 = new MyDel2(MathClass.Max);
        MyDel2 obj4 = new MyDel2(MathClass.Min);

        obj1(2);
        Console.WriteLine($"Cube of num{obj1}is :{MathClass.GetNum()}");
        obj2(2);
        Console.WriteLine($"square of num{obj2}is :{MathClass.GetNum()}");
        obj3(40, 50);
        Console.WriteLine($"Max of num{obj3}is :{MathClass.GetNum()}");
        obj4(40, 50);
        Console.WriteLine($"Min of num{obj4}is :{MathClass.GetNum()}");

        Console.ReadKey();
    }
}
```

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C:\Users\shara\source\repos\ X + ▾

Pr Cube of numMyDel1is :8
square of numMyDel1is :400
Max of numMyDel2is :50
Min of numMyDel2is :40

100

Ou

Sh

B

1>----- Build started: Project: ConsoleA
1>Skipping anal

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search prt6.1 Sign in

Program.cs x

C# prt6.1 prtb6.program Main(string[] args)

```
1  using System;
2  using System.Collections.Generic;
3  using System.IO;
4  using System.Linq;
5  using System.Text;
6  using System.Threading.Tasks;

7
8  namespace prtb6
9  {
10     public class car
11     {
12         private int currsp;
13         private string petName;
14         private car() { }
15         public car(string name, int Speed)
16         {
17             petName = name;
18             currsp = Speed;
19         }
20         public override string ToString()
21         {
22             return string.Format("{0} is going {1}MPH", petName, currsp);
23         }
24     }
25     internal class program
26     {
27     }
28 }
```

118 % No issues found | ⚙️ Ln: 29 Ch: 10 SPC CRLF

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search | prt6.1 | Sign in

Debug Any CPU Start | Data Sources

Program.cs

```
prt6.1
24 }
25 }
26 internal class program
27 {
28     static void Main(string[] args)
29     {
30         Console.WriteLine("A.Number of Generations:");
31         Console.WriteLine("This OS has {0} object generation \n", (GC.MaxGeneration + 1));
32
33         car refToMycar = new car("Zippy", 100);
34         Console.WriteLine(refToMycar.ToString());
35
36         Console.WriteLine("\nB.Generation Number of target object");
37         Console.WriteLine("Generation of reToMycar is :{0}", GC.GetGeneration(refToMycar));
38         object[] tonsofobjects1 = new object[50000];
39
40         for (int i = 0; i < 50000; i++)
41
42             tonsofobjects1[i] = new object();
43
44         GC.Collect(0);
45         GC.WaitForPendingFinalizers();
46         Console.WriteLine("Generation of refToMycar is :{0}", GC.GetGeneration(refToMycar));
47         object[] tonsofobjects2 = new object[50000];
48
49         for (int i = 0; i < 50000; i++)
50
51
52             tonsofobjects2[i] = new object();
53
54 }
```

No issues found | 118 % | Add to Source Control | Select Repository | 3:35 pm | 04/01/2024

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search prt6.1

Sign in + - □ X

Program.cs x

prt6.1 prtb6.program Main(string[] args)

```
53     tonsofobjects2[i] = new object();
54
55     GC.Collect(0);
56     GC.WaitForPendingFinalizers();
57     Console.WriteLine("Generation of reToMycar is :{0}\n", GC.GetGeneration(refToMycar));
58     Console.WriteLine("C.Number of bytes allocated:");
59     Console.WriteLine("Estimated bytes on heap memory:{0}", GC.GetTotalMemory(false));
60     Console.ReadLine();
61
62 }
63 }
64 }
65 }
66 }
67 }
```

118 % No issues found | ⚙ Ln: 29 Ch: 10 SPC CRLF

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File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help | Search Output

Show output from: Build

Program C:\windows\system32\cmd.exe

A.Number of Generations:
This OS has 3 object generation

Zippy is going 100MPH

B.Generation Number of target object
Generation of reToMycar is :0
Generation of refToMycar is :2
Generation of reToMycar is :2

C.Number of bytes allocated:
Estimated bytes on heap memory:1639072

65
66
67 }
118 % No issues found

Ready

3:49 pm 04/01/2024