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FACULTY OF COMPUTING  
DEPARTMENT OF INFORMATION TECHNOLOGY  
Rapid Application Development

(01)

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      internal class Program
10     {
11         static void Main(string[] args)
12         {
13             Console.WriteLine("Hello World!");
14         }
15     }
16 }
17
```

OUTPUT

```
C:\WINDOWS\system32\cmd.  X  +  v
Hello World!
Press any key to continue . . . |
```

(02)

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      0 references
9      internal class Program
10     {
11         0 references
11         static void Main(string[] args)
12         {
13             //This is a single-line comment
14             /*This is a multi-line comment*/
15         }
16     }
17 }
18
```

## OUTPUT

The comment (`// This is a single-line comment` and `/*This is a multi-line comment*/`) are ignored during compilation and has no impact on the program's output.

(03)

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      0 references
9      internal class Program
10     {
11         0 references
11         static void Main(string[] args)
12         {
13             int myNum = 50;
14         }
15     }
16 }
17
```

(04)

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      internal class Program
10     {
11         static void Main(string[] args)
12         {
13             string myName = "John";
14         }
15     }
16 }
17
```

(05)

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      internal class Program
10     {
11         static void Main(string[] args)
12         {
13             int x = 5;
14             int y = 10;
15             Console.WriteLine(x + y);
16         }
17     }
18 }
19
```

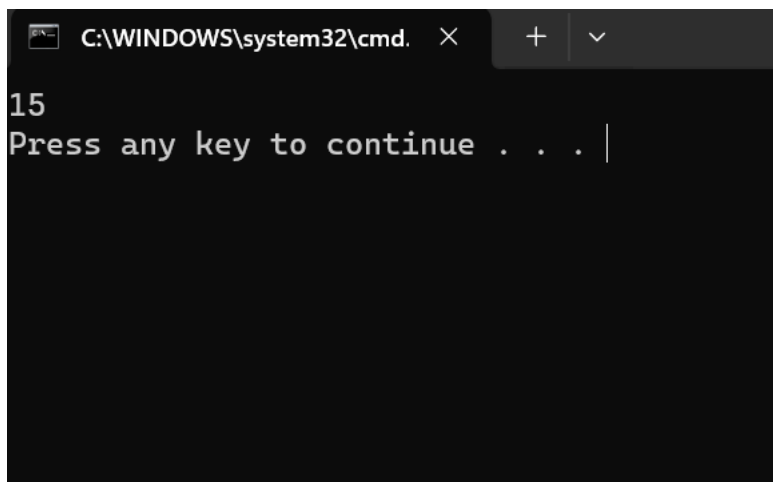
OUTPUT

```
C:\WINDOWS\system32\cmd. X + v
15
Press any key to continue . . . |
```

(06)

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      0 references
10     internal class Program
11     {
12         0 references
13         static void Main(string[] args)
14         {
15             int x = 5;
16             int y = 10;
17             int z = x + y;
18             Console.WriteLine(z);
19         }
20     }
```

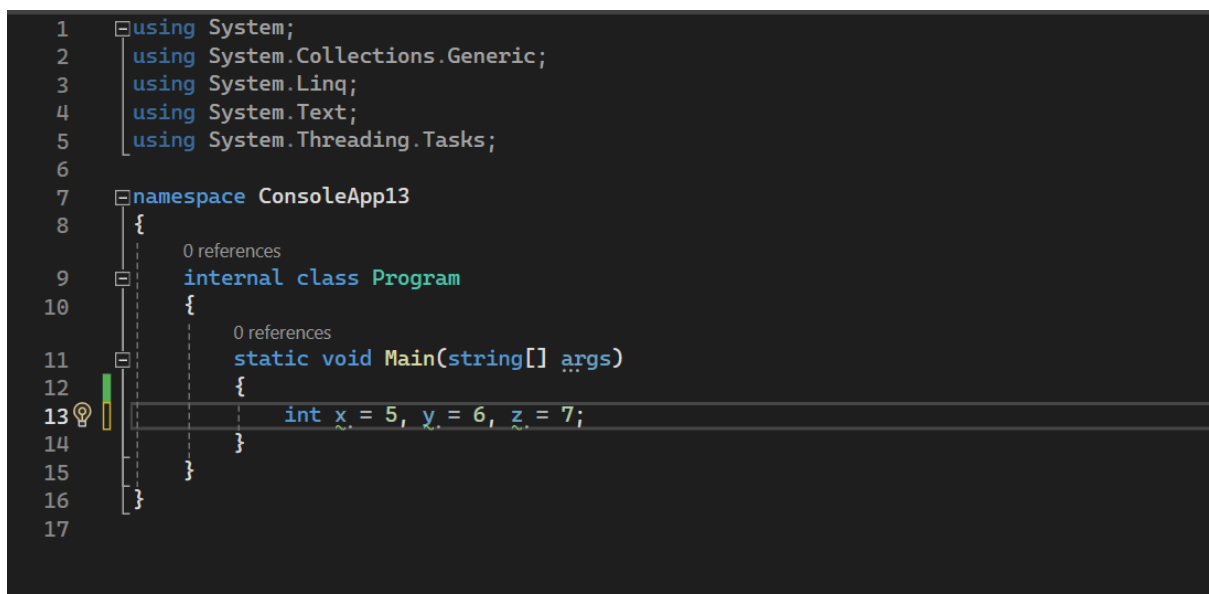
OUTPUT



A screenshot of a Windows command prompt window. The title bar shows the path 'C:\WINDOWS\system32\cmd.' and standard window controls. The prompt displays the number '15' followed by the text 'Press any key to continue . . . |'.

```
C:\WINDOWS\system32\cmd. 15
Press any key to continue . . . |
```

(07)



A screenshot of a Visual Studio code editor window showing the source code for a project named 'ConsoleApp13'. The code is in C# and includes several using statements, a namespace declaration, and an internal class named 'Program' with a static 'Main' method. Line 13 is highlighted with a yellow selection bar and a lightbulb icon, indicating a suggestion or error.

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace ConsoleApp13
8 {
9     0 references
10     internal class Program
11     {
12         0 references
13         static void Main(string[] args)
14         {
15             int x = 5, y = 6, z = 7;
16         }
17     }
```

(08)

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      0 references
10     internal class Program
11     {
12         0 references
13         static void Main(string[] args)
14         {
15             int myNum = 9;
16             double myDoubleNum = 8.99;
17             char myLetter = 'A';
18             bool myBoolean = false;
19             string myText = "Hello World!";
20         }
21     }
22 }
```

(09)

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      0 references
10     internal class Program
11     {
12         0 references
13         static void Main(string[] args)
14         {
15             int myInt = 10;
16             Console.WriteLine(Convert.ToString(myInt));
17         }
18     }
19 }
```

OUTPUT

```
C:\WINDOWS\system32\cmd. X + v
10
Press any key to continue . . . |
```

(10)

i.

```
1  using System;
2      using System.Collections.Generic;
3      using System.Linq;
4      using System.Text;
5      using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      0 references
10     internal class Program
11     {
12         0 references
13         static void Main(string[] args)
14         {
15             Console.WriteLine("Enter username");
16             string userName = Console.ReadLine();
17             Console.WriteLine("Username is: " + userName);
18         }
19     }
20 }
```

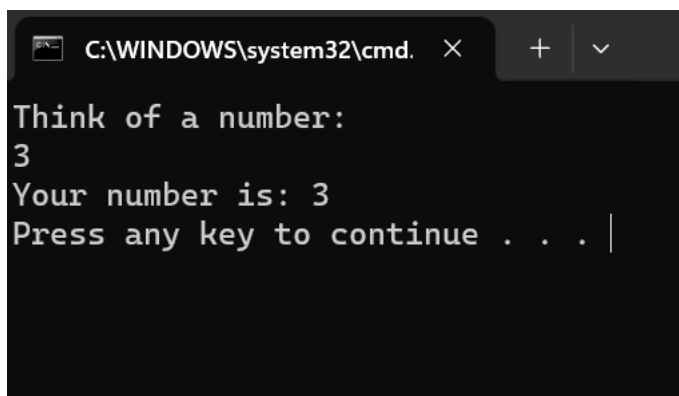
OUTPUT

```
C:\WINDOWS\system32\cmd. X + v
Enter username
John
Username is: John
Press any key to continue . . . |
```

ii.

```
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      0 references
10     internal class Program
11     {
12         0 references
13         static void Main(string[] args)
14         {
15             Console.WriteLine("Think of a number: ");
16             int myNum = Convert.ToInt16(Console.ReadLine());
17             Console.WriteLine("Your number is: " + myNum);
18         }
19     }
```

## OUTPUT



C:\WINDOWS\system32\cmd. X + v

```
Think of a number:
3
Your number is: 3
Press any key to continue . . . |
```



(11)

```
8      {
9          0 references
10         internal class Program
11         {
12             0 references
13             static void Main(string[] args)
14             {
15                 Console.WriteLine("Enter Book Title: ");
16                 string title = Console.ReadLine();
17
18                 Console.WriteLine("Enter Author Name: ");
19                 string author = Console.ReadLine();
20
21                 Console.WriteLine("Enter Publication Year: ");
22                 int pubyear = int.Parse(Console.ReadLine());
23
24                 Console.WriteLine("Enter the ISBN: ");
25                 string isbn = Console.ReadLine();
26
27                 Console.WriteLine("Book Information,");
28                 Console.WriteLine("Title: {0}", title);
29                 Console.WriteLine("Author: {0}", author);
30                 Console.WriteLine("Publication Year: {0}", pubyear);
31                 Console.WriteLine("ISBN: {0}", isbn);
32             }
33         }
34     }
```

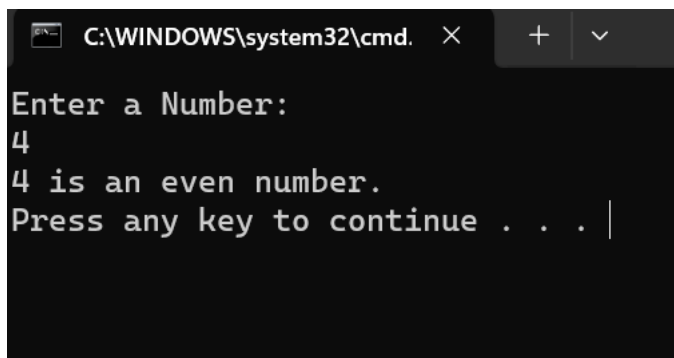
OUTPUT

```
C:\WINDOWS\system32\cmd.  X  +  v
Enter Book Title:
loveena
Enter Author Name:
Mohan Raj Madawala
Enter Publication Year:
2023
Enter the ISBN:
isbn
Book Information,
Title: loveena
Author: Mohan Raj Madawala
Publication Year: 2023
ISBN: isbn
Press any key to continue . . . |
```

(12)

```
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ConsoleApp13
8  {
9      0 references
10     internal class Program
11     {
12         0 references
13         static void Main(string[] args)
14         {
15             Console.WriteLine("Enter a Number: ");
16             int num = int.Parse(Console.ReadLine());
17
18             if (num % 2 == 0)
19             {
20                 Console.WriteLine(num + " is an even number.");
21             }
22             else
23             {
24                 Console.WriteLine(num + " is an odd number");
25             }
26         }
27     }
28 }
```

OUTPUT



C:\WINDOWS\system32\cmd. X + v

Enter a Number:  
4  
4 is an even number.  
Press any key to continue . . . |