

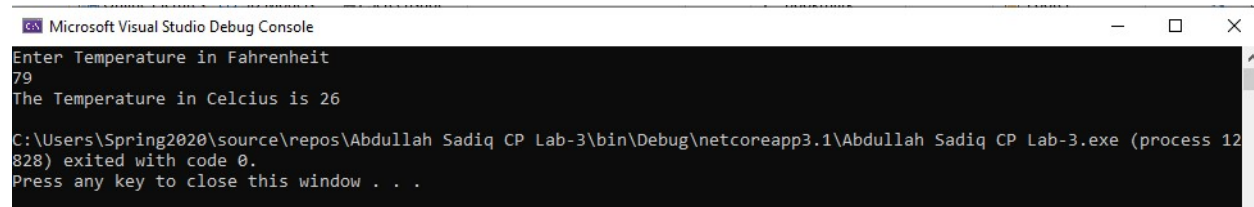
**Task No 05:** Calculate the temperature in Celsius using integer values.

**Input:**

```
using System;

namespace Abdullah_Sadiq_CP_Lab_3
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter Temperature in Fahrenheit");
            int f = Convert.ToInt32(Console.ReadLine());
            int c = (f - 32)*5/9;
            Console.WriteLine("The Temperature in Celcius is {0}", c);
        }
    }
}
```

**Output:**



```
Microsoft Visual Studio Debug Console
Enter Temperature in Fahrenheit
79
The Temperature in Celcius is 26
C:\Users\Spring2020\source\repos\Abdullah Sadiq CP Lab-3\bin\Debug\netcoreapp3.1\Abdullah Sadiq CP Lab-3.exe (process 12828) exited with code 0.
Press any key to close this window . . .
```

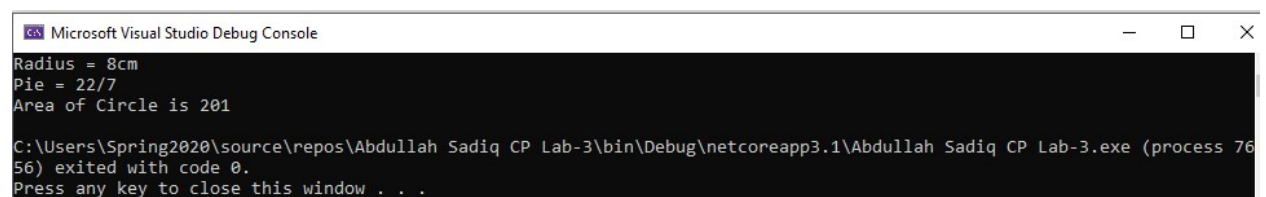
**Task No 06:** Calculate the area of Circle.

**Input:**

```
using System;

namespace Abdullah_Sadiq_CP_Lab_3
{
    class Program
    {
        static void Main(string[] args)
        {
            int r = 8;
            Console.WriteLine("Radius = 8cm");
            Console.WriteLine("Pie = 22/7");
            float a = r * r * 22 / 7;
            Console.WriteLine("Area of Circle is {0}", a);
        }
    }
}
```

**Output:**



```
Microsoft Visual Studio Debug Console
Radius = 8cm
Pie = 22/7
Area of Circle is 201
C:\Users\Spring2020\source\repos\Abdullah Sadiq CP Lab-3\bin\Debug\netcoreapp3.1\Abdullah Sadiq CP Lab-3.exe (process 7656) exited with code 0.
Press any key to close this window . . .
```

**Task No 07:** Display the result of the expression:  $((a + b) * (c * e * d)) - e / f$

**Input:**

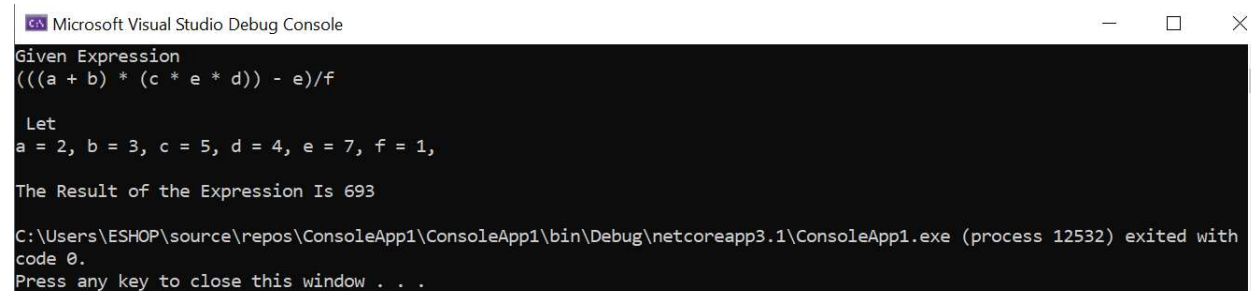
```
using System;

namespace ConsoleApp1
{
    class Program
    {
        static void Main(string[] args)
        {
            //(((a + b) * (c * e * d)) - e) / f
            int a, b, c, d, e, f;
            a = 2; b = 3; c = 5; d = 4; e = 7; f = 1;

            double result1 = (((a + b) * (c * e * d)) - e);
            double result2 = result1 / f;

            Console.WriteLine("Given Expression\n(((a + b) * (c * e * d)) - e)/f\n\n"
                + "Let\na = 2, b = 3, c = 5, d = 4, e = 7, f = 1,\n\nThe Result of the Expression Is {0}",
                result2);
        }
    }
}
```

**Output:**



Microsoft Visual Studio Debug Console

Given Expression  
(((a + b) \* (c \* e \* d)) - e)/f

Let  
a = 2, b = 3, c = 5, d = 4, e = 7, f = 1,

The Result of the Expression Is 693

C:\Users\ESHOP\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1\ConsoleApp1.exe (process 12532) exited with code 0.  
Press any key to close this window . . .

**Task No 08:** Write a program and print the output of first equation of the motion. For values take input from user. ( $vf=vi+at$ ).

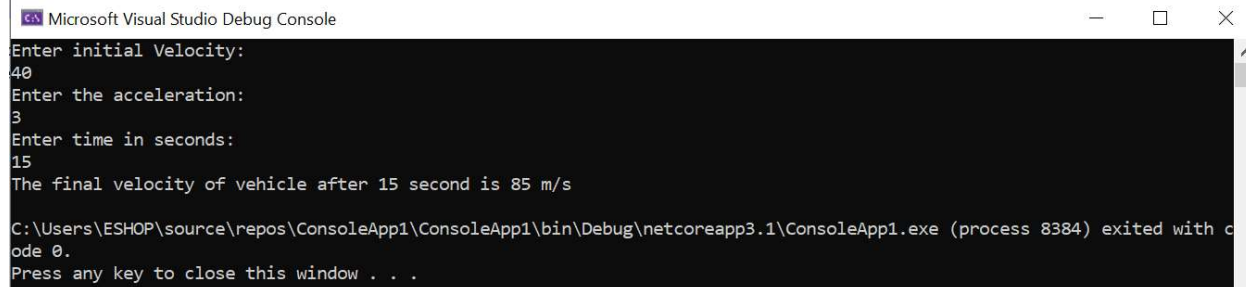
**Input:**

```
using System;

namespace Home_Task_07
{
    class Program
    {
        static void Main(string[] args)
        {
            Double vf, vi, a, t;
            Console.WriteLine("Enter initial Velocity: ");
            vi = Convert.ToDouble(Console.ReadLine());
            Console.WriteLine("Enter the acceleration: ");
            a = Convert.ToDouble(Console.ReadLine());
            Console.WriteLine("Enter time in seconds: ");
            t = Convert.ToDouble(Console.ReadLine());

            vf = vi + a * t;
            Console.WriteLine("The final velocity of vehicle after {0} second is
{1} m/s", t, vf);
        }
    }
}
```

**Output:**



The screenshot shows the Microsoft Visual Studio Debug Console window. It displays the following text: "Enter initial Velocity:", "40", "Enter the acceleration:", "3", "Enter time in seconds:", "15", and "The final velocity of vehicle after 15 second is 85 m/s". At the bottom, it shows the command prompt path "C:\Users\ESHOP\source\repos\ConsoleApp1\ConsoleApp1\bin\Debug\netcoreapp3.1\ConsoleApp1.exe (process 8384) exited with code 0." and the instruction "Press any key to close this window . . .".