

## Example NO 1:

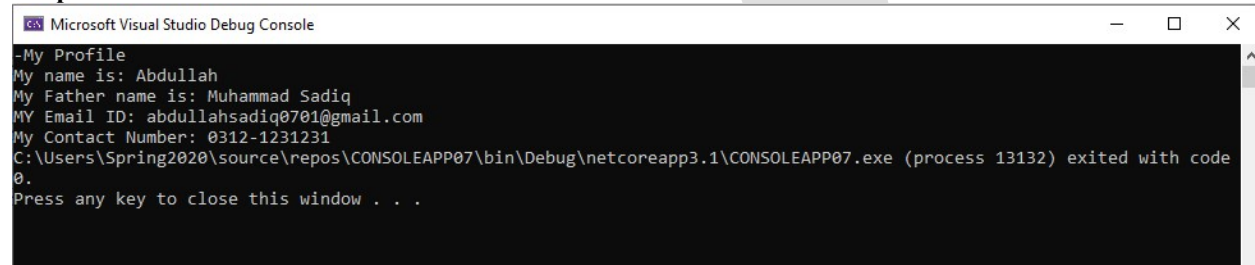
Input:

```
using System;
```

```
namespace CONSOLEAPP07
```

```
{  
    class Program  
    {  
        static void Main(string[] args)  
        {  
            string firstName = "Abdullah";  
            string fatherName = "Muhammad Sadiq";  
            string emailId = "abdullahsadiq0701@gmail.com";  
            string contactNumber = "0312-1231231";  
            Console.WriteLine("-My Profile");  
            Console.WriteLine("My name is: "+firstName+"\n"+"My Father name is: "+fatherName+"\n"+"MY Email ID: "+emailId+"\n"+"My Contact Number: "+contactNumber);  
        }  
    }  
}
```

Output:



```
Microsoft Visual Studio Debug Console  
-My Profile  
My name is: Abdullah  
My Father name is: Muhammad Sadiq  
MY Email ID: abdullahsadiq0701@gmail.com  
My Contact Number: 0312-1231231  
C:\Users\Spring2020\source\repos\CONSOLEAPP07\bin\Debug\netcoreapp3.1\CONSOLEAPP07.exe (process 13132) exited with code 0.  
Press any key to close this window . . .
```

## Example No 2:

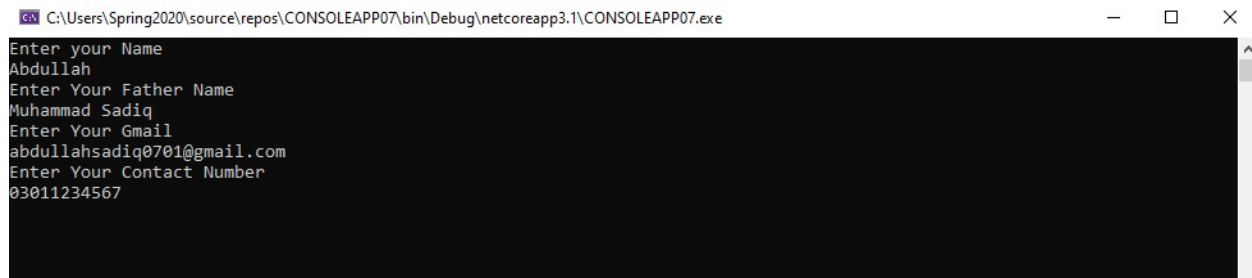
Input:

```
using System;
```

```
namespace CONSOLEAPP07
```

```
{  
    class Program  
    {  
        static void Main(string[] args)  
        {  
            Console.WriteLine("Enter your Name");  
            string firstName = Console.ReadLine();  
            Console.WriteLine("Enter Your Father Name");  
            string fatherName = Console.ReadLine();  
            Console.WriteLine("Enter Your Gmail");  
            string emailId = Console.ReadLine();  
            Console.WriteLine("Enter Your Contact Number");  
            string contactNumber = Console.ReadLine();  
            Console.WriteLine("-My Profile");  
            Console.WriteLine("My name is: "+firstName+"\n"+"My Father name is: "+fatherName+"\n"+"MY Email ID: "+emailId+"\n"+"My Contact Number: "+contactNumber);  
        }  
    }  
}
```

### Output:



```
C:\Users\Spring2020\source\repos\CONSOLEAPP07\bin\Debug\netcoreapp3.1\CONSOLEAPP07.exe
Enter your Name
Abdullah
Enter Your Father Name
Muhammad Sadiq
Enter Your Gmail
abdullahsadiq0701@gmail.com
Enter Your Contact Number
03011234567
```

### Example No 3:

#### Input:

using System;

```
namespace CONSOLEAPP07
{
    class Program
    {
        static void Main(string[] args)
        {
            int numA = 10;
            int numB = 20;
            int result;
            result = numA + numB;
            Console.WriteLine("the sum is" + result);
            result = numA - numB;
            Console.WriteLine("The sub is" + result);
            result = numA * numB;
            Console.WriteLine("The sum is" + result);
        }
    }
}
```

#### Output:



```
Microsoft Visual Studio Debug Console
the sum is30
The sub is-10
The sum is200
C:\Users\Spring2020\source\repos\CONSOLEAPP07\bin\Debug\netcoreapp3.1\CONSOLEAPP07.exe (process 4824) exited with code 0
Press any key to close this window . . .
```

#### Example No 4:

Input:

```
using System;

namespace CONSOLEAPP07
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter Number From 0-9");
            string numAuser = Console.ReadLine();
            int numA = Convert.ToInt32(numAuser);
            string numBuser = Console.ReadLine();
            int numB = Convert.ToInt32(numBuser);
            int result;
            result = numA + numB;
            Console.WriteLine("the sum is" + result);
            result = numA - numB;
            Console.WriteLine("The sub is" + result);
            result = numA * numB;
            Console.WriteLine("The sum is" + result);
        }
    }
}
```

Output:

A screenshot of the Microsoft Visual Studio Debug Console window. The window title is "Microsoft Visual Studio Debug Console". The output text is as follows:  
Enter Number From 0-9  
6  
7  
the sum is13  
The sub is-1  
The sum is42  
  
C:\Users\Spring2020\source\repos\CONSOLEAPP07\bin\Debug\netcoreapp3.1\CONSOLEAPP07.exe (process 9508) exited with code 0  
Press any key to close this window . . .

**Task No 2:** Write a program to display your personal information.

**Input:**

using System;

namespace My\_Profile

{

class Program

{

static void Main(string[] args)

{

string Name = "Abdullah";

string fatherName = "Muhammad sadiq";

string Age = "17";

string Address = "Karachi, Pakistan";

string universityName = "Bahria University Karachi Campus";

string nicNumber = "42401-0000000-0";

string phoneNumber = "0301-0000000";

Console.WriteLine("-My Profile-");

Console.Write("My name is; " + Name + "\n" + "My Father name is : " +

fatherName + "\n" + "My age is: " + Age + "\n" + "I live in " + Address + "\n" + "I am a student of " + universityName + "\n" + "My NIC Number is : " + nicNumber + "\n" + "My Mobile Phone Number is : " + phoneNumber);

}

}

}

**Output:**

```
Microsoft Visual Studio Debug Console
-My Profile-
My name is; Abdullah
My Father name is :Muhammad sadiq
My age is: 17
I live in Karachi, Pakistan
I am a student of Bahria University Karachi Campus
My NIC Number is :42401-0000000-0
My Mobile Phone Number is :0301-0000000
C:\Users\ESHOP\source\repos\My Profile\My Profile\bin\Debug\netcoreapp3.1\My Profile.exe (process 16324) exited with code 0.
Press any key to close this window . . .
```

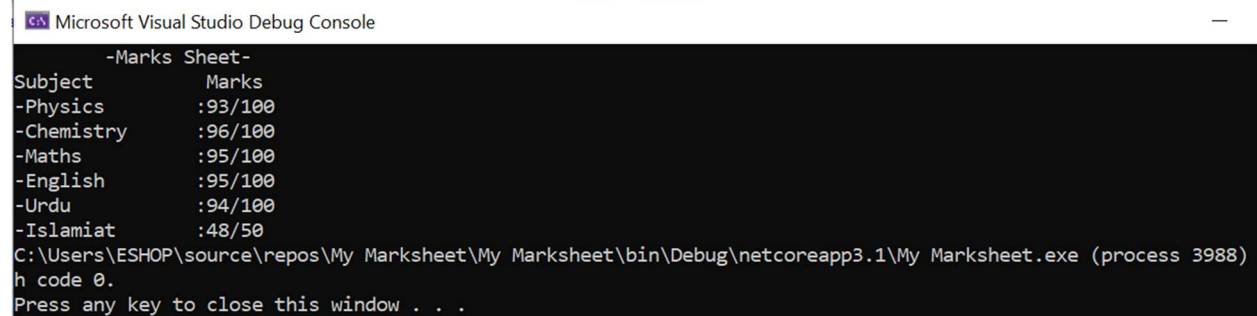
**Task No 3:** Write a program to display Your inter/ matric marks sheet.

**Input:**

```
using System;

namespace My_Marksheet
{
    class Program
    {
        static void Main(string[] args)
        {
            string physicsMarks = "93/100";
            string chemistrymarks = "96/100";
            string mathsMarks = "95/100";
            string englishMarks = "95/100";
            string urduMarks = "94/100";
            string IslamiatMarks = "48/50";
            Console.WriteLine("\t-Marks Sheet-");
            Console.WriteLine("Subject \t Marks");
            Console.Write("-Physics \t:" + physicsMarks + "\n" + "-Chemistry \t:" +
chemistrymarks + "\n" + "-Maths \t:" + mathsMarks + "\n" + "-English \t:" +
englishMarks + "\n" + "-Urdu \t:" + urduMarks + "\n" + "-Islamiat \t:" +
IslamiatMarks);
        }
    }
}
```

**Output:**



```
Microsoft Visual Studio Debug Console

-Marks Sheet-
Subject      Marks
-Physics     :93/100
-Chemistry   :96/100
-Maths       :95/100
-English     :95/100
-Urdu        :94/100
-Islamiat    :48/50
C:\Users\ESHOP\source\repos\My Marksheets\My Marksheets\bin\Debug\netcoreapp3.1\My Marksheets.exe (process 3988)
h code 0.
Press any key to close this window . . .
```

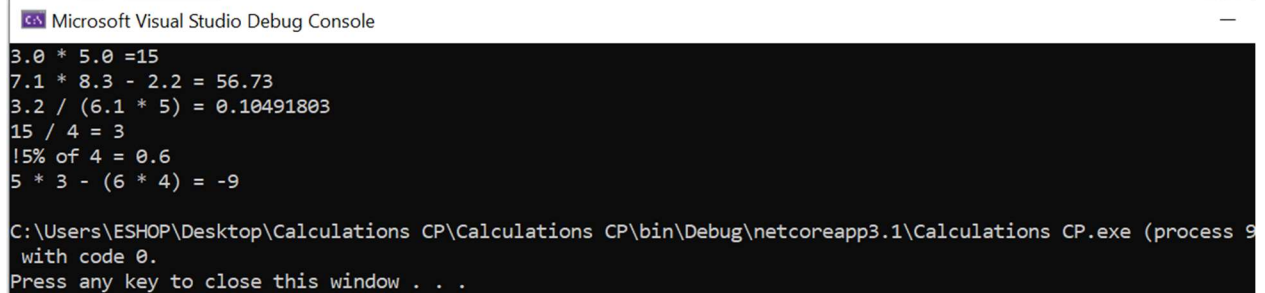
**Task No 4:** Write a C# program that displays the results of the expressions.

**Input:**

```
using System;

namespace Calculations_CP
{
    class Program
    {
        static void Main(string[] args)
        {
            float a = 3.0F;
            float b = 5.0F;
            float ab = a * b;
            Console.WriteLine("3.0 * 5.0 =" + ab);
            float c = 7.1F;
            float d = 8.3F;
            float e = 2.2F;
            float cde = c * d - e;
            Console.WriteLine("7.1 * 8.3 - 2.2 = " + cde);
            float f = 3.2F;
            float g = 6.1F;
            int h = 5;
            float we = f / (g * h);
            Console.WriteLine("3.2 / (6.1 * 5) = " + we);
            int t = 15;
            int o = 4;
            int q = t / o;
            Console.WriteLine("15 / 4 = " + q);
            float p = 0.15F;
            float l = p * o;
            Console.WriteLine("!5% of 4 = " + l);
            int j = 3;
            int y = 6;
            int r = h * j - (y * o);
            Console.WriteLine("5 * 3 - (6 * 4) = " + r);
        }
    }
}
```

**Output:**



Microsoft Visual Studio Debug Console

```
3.0 * 5.0 =15
7.1 * 8.3 - 2.2 = 56.73
3.2 / (6.1 * 5) = 0.10491803
15 / 4 = 3
!5% of 4 = 0.6
5 * 3 - (6 * 4) = -9

C:\Users\ESHOP\Desktop\Calculations CP\Calculations CP\bin\Debug\netcoreapp3.1\Calculations CP.exe (process 9
with code 0.
Press any key to close this window . . .
```

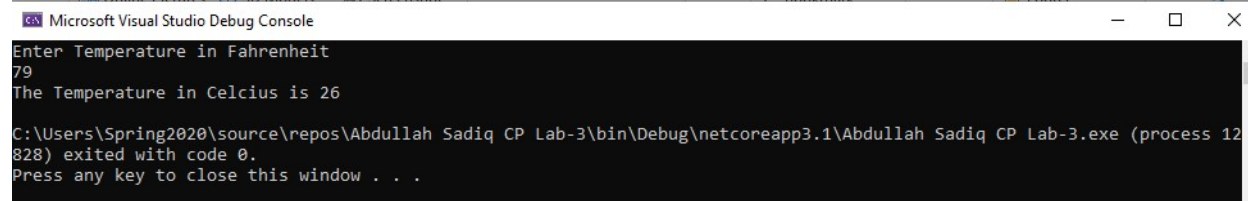
**Task No 05:** Calculate the temperature in Celsius using integer values.

**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 . . .
```

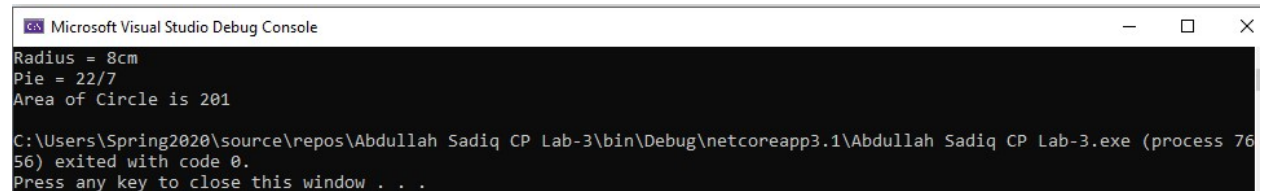
**Task No 06:** Calculate the area of Circle.

**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:**

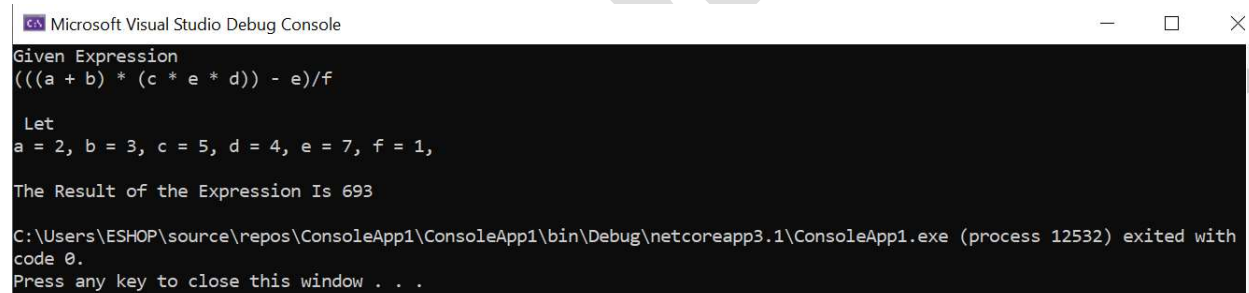
```
using System;

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. ( $v_f = v_i + at$ ).

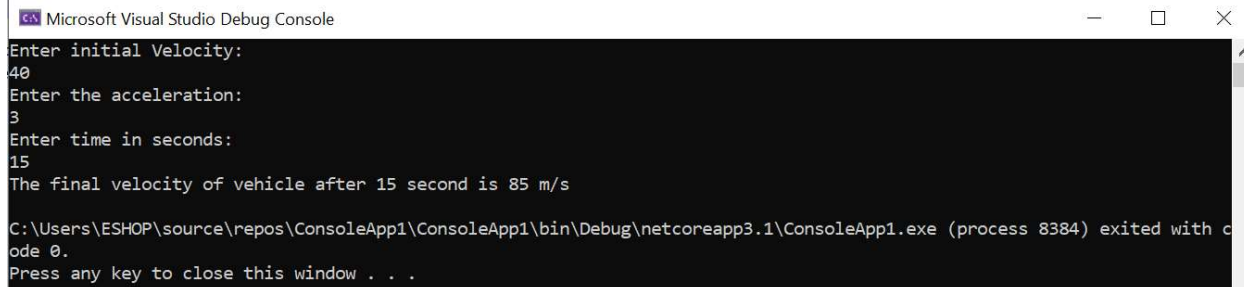
**Input:**

```
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 . . .".