

Practical 1

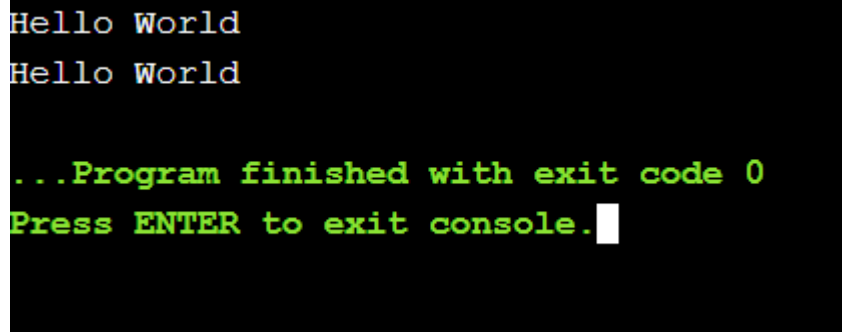
1. Write a c# Program to print a “Hello World”.

Code :

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

namespace Prac_1_1
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Hello World");
            Console.Write("Hello World");
        }
    }
}
```

Output :



```
Hello World
Hello World

...Program finished with exit code 0
Press ENTER to exit console.
```

2. Write a c# Program for adding 2 numbers.

Code :

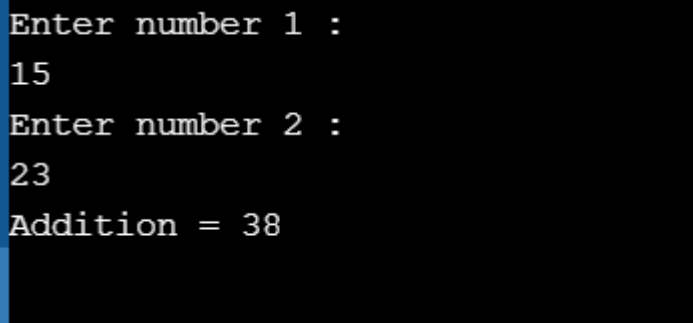
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Prac_1_2
{
    class Program
    {
        static void Main(string[] args)
        {
            int a, b, c;

            Console.WriteLine("Enter number 1 :");
            a = int.Parse(Console.ReadLine());
            Console.WriteLine("Enter number 2 :");
            b = int.Parse(Console.ReadLine());
```

```
        c = a + b;  
        Console.WriteLine("Addition = " + c);  
    }  
}  
}
```

Output :



```
Enter number 1 :  
15  
Enter number 2 :  
23  
Addition = 38
```

3. Write a c# Program to find maximum of 2 numbers.

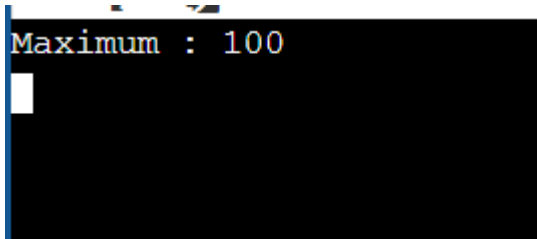
Code :

```
using System;  
using System.Collections.Generic;  
using System.Linq;  
using System.Text;  
using System.Threading.Tasks;  
  
namespace Prac_1_3  
{  
    class Program
```

```
{
    static void Main(string[] args)
    {
        int maxNum;
        int a = 50;
        int b = 100;

        if (a > b)
        {
            maxNum = a;
        }else
        {
            maxNum = b;
        }
        Console.WriteLine("Maximum : "+maxNum);
        Console.ReadKey();
    }
}
```

Output :

A screenshot of a console window with a black background. The text "Maximum : 100" is displayed in a light blue monospaced font. A white cursor is visible on the line below the output.

4. Write a c# Program to generate electricity bill using If-Else ladder.

Code :

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

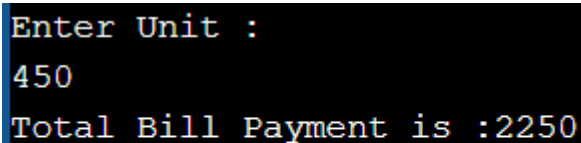
namespace Prac1_4
{
    class Program
    {
        static void Main(string[] args)
        {
            double totalBill, unit, charge;

            Console.WriteLine("Enter Unit :");
            unit = double.Parse(Console.ReadLine());

            if (unit > 0 && unit < 100)
            {
                charge = 0.5;
            }
            else if (unit >= 100 && unit < 200)
            {
                charge = 1.5;
            }
            else if (unit >= 200 && unit < 300)
            {
```

```
        charge = 2.5;
    }
    else if (unit >= 300 && unit < 450)
    {
        charge = 3.5;
    }
    else
    {
        charge = 5;
    }
    totalBill = charge * unit;
    Console.WriteLine("Total Bill Payment is :" +
totalBill);
    Console.ReadKey();
}
}
```

Output :



```
Enter Unit :
450
Total Bill Payment is :2250
```

5. Write a c# Program to find the sum of first N numbers.

Code :

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

namespace Prac_1_5
{
    class Program
    {
        static void Main(string[] args)
        {
            int n;
            Console.WriteLine("Enter the Value of n :");
            n = int.Parse(Console.ReadLine());

            int[] arr = new int[n];
            int i, sum = 0;
            for (i = 1; i <= n; i++)
            {
                sum = sum + i;
            }
            Console.WriteLine("Sum of N numbers = " +
sum);
            Console.ReadKey();
        }
    }
}
```

Output :

```
Enter the Value of n :  
20  
Sum of N numbers = 210
```