4. Write a C# program to findout maximum range of decimal, float and double datatype in exponent format.

```
using System;
class program
{
    Static void Main(String[] args)
    {
        Console.WriteLine(" The max range of decimal datatype
                is {0:E} ", Decimal.MaxValue);
        Console.WriteLine(" The max range of float datatype is
                {0:E}", Single.MaxValue);
        Console.WriteLine(" The max range of double datatype is
                {0:E} ", Double.MaxValue);
    }
}
```

Output:-

The max range of decimal datatype is 7.9228E+28
The max range of float datatype is 8.4028E+38
The max range of double datatype is 1.7977E+308

Write a c# program to find out the hypotenuse of a triangle, where base and height is given.

```csharp
using System;
class program
{
    Static void Main(String[] angs)
    {
        double base, height;
        Console.WriteLine("Enter the base of triangle:");
        base = Convent.ToDouble(Console.ReadLine());

        Console.WriteLine("Enter the height of triangle:");
        height = Convent.ToDouble(Console.ReadLine());

        double hypotenuse = Math.Sqrt((base * base) + (height * height));
        Console.WriteLine("Hypotenuse of the triangle is:" + hypotenuse);
    }
}
```

Output:-

Enter the base of triangle: 3
Enter the height of triangle: 4
Hypotenuse of the triangle is: 5

Write a C# program to findout the area of circle using named constant PI value.

```csharp
using System;
class program
{   const double PI = 3.14159;
    static void Main(String[] args)
    {

        double radius = 0;
        Console.WriteLine("Enter the radius of circle:");
        radius = Convert.ToDouble(Console.ReadLine());
        double area = PI * radius * radius;
        Console.WriteLine("Radius of circle is:" + radius + "and
            area is:" + area);
    }
}
```

Output:-

Enter the radius of circle: 5
Radius of circle is 5 and area is 78.53975

Write a program in c# to initialize 3 variables and print their values.

```csharp
using System;
class Program
{
    Static void Main(String[] args)
    {
        int num = 10;
        string name = "Sumit";
        double price = 99.5;
        Console.WriteLine("Number: " + num);
        Console.WriteLine("Name:" + name);
        Console.WriteLine("Price:" + price);
    }
}
```

Output:-

Number: 10
Name: Sumit
Price: 99.5