IDE Lab 2/09/20

using System;

using System.Collections.Generic;

using System.Linq;

namespace myApp

{

class Program

{

static void Main()

{

Console.WriteLine("Hello World!");

}

}

}

2.

using System;

using System.Collections.Generic;

using System.Linq;

namespace myApp

{

class Program

{

static void Main()

{

Console.WriteLine("Hello User!");

}

}

}

3.

using System;

using System.Collections.Generic;

using System.Linq;

namespace myApp

{

class Program

{

static void Main()

{

Console.WriteLine("Hello User!");

}

}

}

4.

using System;

using System.Collections.Generic;

using System.Linq;

namespace myApp

{

class Program

{

static void Main()

{

var name = "User";

Console.WriteLine("Hello " + name + "!");

}

}

}

5.

using System;

using System.Collections.Generic;

using System.Linq;

namespace myApp

{

class Program

{

static void Main()

{

var name = "User";

Console.WriteLine($"Hello {name}!");

}

}

}

6.

using System;

using System.Collections.Generic;

using System.Linq;

namespace myApp

{

class Program

{

static void Main()

{

var name = "User";

Console.WriteLine($"Hello {name.ToUpper()}!");

}

}

}

7.Arithemetic Operations:

int a=10,b=20;

Console.WriteLine(a+b);

Console.WriteLine(a-b);

Console.WriteLine(a\*b);

Console.WriteLine(a/b);

O/P:

30

-10

200

0

8. //Explore order of operations

int a=10,b=20,c=3;

Console.WriteLine(a+b\*c);

Console.WriteLine(a-b+c);

Console.WriteLine(a/b\*c);

Console.WriteLine(a+b/c);

O/P:

70

-7

0

16

9. //Explore integer precision and limits

int a=10,b=20,c=3;

d=(a+b)/c;

e=(a+b)%c;

Console.WriteLine($"quotient:{d}");

Console.WriteLine($"quotient:{e}");

O/P: quotient:10

quotient:0

10. //Work with the double type

double a=10,b=20,c=3,d;

d=(a+b)/c;

Console.WriteLine(d);

O/P:

10

11. //Work with decimal types

double a = 1.0;

double b = 3.0;

Console.WriteLine(a / b);

decimal c = 1.0M;

decimal d = 3.0M;

Console.WriteLine(c / d);

O/P:

0.333333333333333

0.3333333333333333333333333333

12. //Complete challenge

double r=2.50;

double area=Math.PI\*r\*r;

Console.WriteLine(area);

O/P:

19.6349540849362

13.