**Lab 04-2023.05.23**

(1)

(1.1)

**Program.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1

{

internal class Program

{

static void Main(string[] args)

{

ConvertValues converter = new ConvertValues();

converter.KilometerToMeter();

Console.ReadLine();

}

}

}

**ConvertValues.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1

{

internal class ConvertValues

{

public void KilometerToMeter()

{

Console.Write("Enter the kilometer value: ");

double kilometer = Convert.ToDouble(Console.ReadLine());

double meter = kilometer \* 1000;

Console.WriteLine("The equivalent meter value is: "+ meter);

}

}

}

(1.2)

**Program.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1.\_2

{

internal class Program

{

static void Main(string[] args)

{

Console.Write("Enter the kilometer value: ");

double kilometer = Convert.ToDouble(Console.ReadLine());

ConvertValues converter = new ConvertValues();

converter.KilometerToMeter(kilometer);

Console.ReadLine();

}

}

}

**ConverValues.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1.\_2

{

internal class ConvertValues

{

public void KilometerToMeter(double kilometer)

{

double meter = kilometer \* 1000;

Console.WriteLine("The equivalent meter value is : " + meter);

}

}

}

(1.3)

**Program.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1.\_3

{

internal class Program

{

static void Main(string[] args)

{

Console.Write("Enter the kilometer value: ");

double kilometer = Convert.ToDouble(Console.ReadLine());

ConvertValues converter = new ConvertValues();

double meter = converter.KilometerToMeter(kilometer);

Console.WriteLine("The equivalent meter value is: "+meter);

Console.ReadLine();

}

}

}

**ConvertValues.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_1.\_3

{

internal class ConvertValues

{

public double KilometerToMeter(double kilometer)

{

double meter = kilometer \* 1000;

return meter;

}

}

}

(2)

**Program.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_2

{

internal class Program

{

static void Main(string[] args)

{

Console.Write("Enter the radius of the circle: ");

double radius = Convert.ToDouble(Console.ReadLine());

FindValues calculator = new FindValues();

double area = calculator.FindArea(radius);

double circumference = calculator.FindCircimference(radius);

Console.WriteLine("The area of the circle is : " + area);

Console.WriteLine("The circumference of the circle is : "+ circumference);

Console.ReadLine();

}

}

}

**FindValues.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q\_2

{

internal class FindValues

{

public double FindArea(double radius)

{

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

return area;

}

public double FindCircimference(double radius)

{

double circumference = 2 \*Math.PI \* radius;

return circumference;

}

}

}