C# Lab 04

Question 01

1)

using System;

class ConvertValues

{

public void KilometerToMeter()

{

Console.Write("Enter the distance in kilometers (km): ");

double km = double.Parse(Console.ReadLine());

double meter = km \* 1000;

Console.WriteLine($"{km} kilometers is equal to {meter} meters.");

}

}

class Program

{

static void Main()

{

ConvertValues converter = new ConvertValues();

converter.KilometerToMeter();

}

}

2)

using System;

class ConvertValues

{

public void KilometerToMeter(double km)

{

double meter = km \* 1000;

Console.WriteLine($"{km} kilometers is equal to {meter} meters.");

}

}

class Program

{

static void Main()

{

Console.Write("Enter the distance in kilometers (km): ");

double km = double.Parse(Console.ReadLine());

ConvertValues converter = new ConvertValues();

converter.KilometerToMeter(km);

}

}

3)

using System;

class ConvertValues

{

public double KilometerToMeter(double km)

{

double meter = km \* 1000;

return meter;

}

}

class Program

{

static void Main()

{

Console.Write("Enter the distance in kilometers (km): ");

double km = double.Parse(Console.ReadLine());

ConvertValues converter = new ConvertValues();

double meter = converter.KilometerToMeter(km);

Console.WriteLine($"{km} kilometers is equal to {meter} meters.");

}

}

Question 02

1)

using System;

namespace CircleCalculator

{

public class FindValues

{

public double FindArea(double radius)

{

return Math.PI \* radius \* radius;

}

public double FindCircumference(double radius)

{

return 2 \* Math.PI \* radius;

}

}

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Circle Calculator");

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

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

FindValues circleValues = new FindValues();

double area = circleValues.FindArea(radius);

double circumference = circleValues.FindCircumference(radius);

Console.WriteLine($"Area of the circle: {area:F2}");

Console.WriteLine($"Circumference of the circle: {circumference:F2}");

Console.ReadLine();

}

}

}