Lab 04

27003

MER Perera

Question 01

1. using System;

namespace ConversionApp

{

class ConvertValues

{

public void KilometerToMeter()

{

Console.WriteLine("Enter the value in Kilometers (km): ");

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

double meter = km \* 1000;

Console.WriteLine($"The equivalent value in Meters (m): {meter} m");

}

}

class Program

{

static void Main(string[] args)

{

ConvertValues converter = new ConvertValues();

converter.KilometerToMeter();

}

}

}

2. using System;

namespace ConversionApp

{

class ConvertValues

{

public void KilometerToMeter(double km)

{

double meter = km \* 1000;

Console.WriteLine($"The equivalent value in Meters (m): {meter} m");

}

}

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter the value in Kilometers (km): ");

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

ConvertValues converter = new ConvertValues();

converter.KilometerToMeter(km);

}

}

}

3. using System;

namespace ConversionApp

{

class ConvertValues

{

public double KilometerToMeter(double km)

{

return km \* 1000;

}

}

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter the value in Kilometers (km): ");

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

ConvertValues converter = new ConvertValues();

double meter = converter.KilometerToMeter(km);

Console.WriteLine($"The equivalent value in Meters (m): {meter} m");

}

}

}

Question 02

using System;

namespace CircleCalculations

{

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("Enter the radius of the circle: ");

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

FindValues calculator = new FindValues();

double area = calculator.FindArea(radius);

double circumference = calculator.FindCircumference(radius);

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

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

}

}

}