**LAB 04**

**Question 01**

01.using System;

namespace KilometerToMeterConverter

{

public class ConvertValues

{

public void KilometerToMeter()

{

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

string input = Console.ReadLine();

if (double.TryParse(input, out double kilometers))

{

double meters = kilometers \* 1000;

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

}

else

{

Console.WriteLine("Invalid input. Please enter a valid number for kilometers.");

}

}

}

class Program

{

static void Main(string[] args)

{

ConvertValues converter = new ConvertValues();

converter.KilometerToMeter();

}

}

}

02.using System;

namespace KilometerToMeterConverter

{

public class ConvertValues

{

public void KilometerToMeter(double kilometers)

{

double meters = kilometers \* 1000;

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

}

}

class Program

{

static void Main(string[] args)

{

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

string input = Console.ReadLine();

if (double.TryParse(input, out double kilometers))

{

ConvertValues converter = new ConvertValues();

converter.KilometerToMeter(kilometers);

}

else

{

Console.WriteLine("Invalid input. Please enter a valid number for kilometers.");

}

}

}

}

03.using System;

namespace KilometerToMeterConverter

{

public class ConvertValues

{

public double KilometerToMeter(double kilometers)

{

double meters = kilometers \* 1000;

return meters;

}

}

class Program

{

static void Main(string[] args)

{

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

string input = Console.ReadLine();

if (double.TryParse(input, out double kilometers))

{

ConvertValues converter = new ConvertValues();

double result = converter.KilometerToMeter(kilometers);

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

}

else

{

Console.WriteLine("Invalid input. Please enter a valid number for kilometers.");

}

}

}

}

**Question 02**

° using System;

namespace CircleAreaCircumferenceCalculator

{

class Program

{

static void Main(string[] args)

{

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

string input = Console.ReadLine();

if (double.TryParse(input, out double radius))

{

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

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

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

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

}

else

{

Console.WriteLine("Invalid input. Please enter a valid number for the radius.");

}

}

}

}

° using System;

namespace CircleAreaCircumferenceCalculator

{

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

string input = Console.ReadLine();

if (double.TryParse(input, out double radius))

{

FindValues finder = new FindValues();

double area = finder.FindArea(radius);

double circumference = finder.FindCircumference(radius);

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

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

}

else

{

Console.WriteLine("Invalid input. Please enter a valid number for the radius.");

}

}

}

}