**Lab-04**

Question 01

1)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp01

{

internal class Program

{

class ConvertValues

{

public void KilometerToMeter()

{

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

string input = Console.ReadLine();

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

{

double meter = kilometer \* 1000;

Console.WriteLine($"{kilometer} Kilometers is equal to {meter} Meters.");

}

}

}

class program

{

static void Main(string[] args)

{

ConvertValues converter = new ConvertValues();

converter.KilometerToMeter();

}

}

}

}

2)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp02

{

internal class Program

{

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()

{

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

string userInput = Console.ReadLine();

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

{

ConvertValues converter = new ConvertValues();

converter.KilometerToMeter(kilometers);

}

}

}

}

}

3)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp03

{

internal class Program

{

class ConvertValues

{

public double KilometerToMeter(double kilometers)

{

double meters = kilometers \* 1000;

return meters;

}

}

class program

{

static void Main()

{

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

string userInput = Console.ReadLine();

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

{

ConvertValues converter = new ConvertValues();

double meters = converter.KilometerToMeter(kilometers);

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

}

}

}

}

}

Question 02

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp04

{

internal class Program

{

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()

{

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

string userInput = Console.ReadLine();

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

{

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}");

}

}

}

}

}