Name: Obada Mudalige Navithma Thathsiluni

Student id : 26532

1.

1)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace lab\_4\_q1.cs

{

internal class Program

{

internal class ConvertValues

{ public void kilometerToMeter()

{

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

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

// Convert kilometers to meters

double meters = km \* 1000;

Console.WriteLine("{0} kilometers is equal to {1} meters.", km, meters);

}

}

static void Main(string[] args)

{

ConvertValues converter = new ConvertValues();

converter.kilometerToMeter();

// Keep the console window open until a key is pressed.

Console.WriteLine("Press any key to exit.");

Console.ReadKey();

}

}

}

2) using System;

namespace ModifyLastAnswer

{

internal class ConvertValues

{

public void kilometersToMetersWithParameter(float kmValue)

{

float meters = kmValue \* 1000;

Console.WriteLine("{0} kilometers is equal to {1} meters.", kmValue, meters);

}

}

internal class Program

{

static void Main(string[] args)

{

ConvertValues converter = new ConvertValues();

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

if (float.TryParse(Console.ReadLine(), out float km))

{

converter.kilometersToMetersWithParameter(km);

}

else

{

Console.WriteLine("Invalid input. Please enter a valid numeric value.");

}

}

}

}

3)

using System;

namespace ModifyFurther

{

internal class ConvertValues

{

public float kilometersToMetersWithParameterAndReturn(float kmValue)

{

float meters = kmValue \* 1000;

return meters;

}

}

internal class Program

{

static void Main(string[] args)

{

ConvertValues converter = new ConvertValues();

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

if (float.TryParse(Console.ReadLine(), out float km))

{

float metersResult = converter.kilometersToMetersWithParameterAndReturn(km);

Console.WriteLine("The equivalent distance in meters is: " + metersResult);

}

else

{

Console.WriteLine("Invalid input. Please enter a valid numeric value.");

}

}

}

2.

1)

namespace CircumferenceOfACircle

{

internal class FindValues

{

public double findArea(double r)

{

double Area = Math.PI \* r \* r;

return Area;

}

public double findCircumference(double r)

{

double circ = Math.PI \* r \* 2;

return circ;

}

}

}

2)

namespace lab4Q2

{

internal class Program

{

static void Main(string[] args)

{

FindValues newobj2 = new FindValues();

Console.WriteLine("Enter radius: ");

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

double area = newobj2.findArea(radius);

double circum = newobj2.findCircumference(radius);

Console.WriteLine("The Area:" + area );

Console.WriteLine("The Circumference:" + circum);

}

}

}