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**Lab Sheet 04.**

**Question 01.**

Part 1

internal class kilometerTOmeter

{

public class ConvertValues

{

public static void kilometerTOmeter(double km)

{

double meter = km \* 1000;

Console.WriteLine("{0} km = {1} m", km, meter);

}

}

}

Program.cs

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter Kilometer Value : ");

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

ConvertValues.kilometerTOmeter(km);

}

}

Part 2

internal class kilometerTOmeter

{

public void ConvertValues(double km)

{

Console.Write("Enter the Kilometer Value :");

double meter = km \* 1000;

Console.WriteLine("{0} km = {1} m", km, meter);

}

}

Program.cs

internal class Program

{

static void Main(string[] args)

{

kilometerTOmeter cv = new kilometerTOmeter();

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

cv.ConvertValues(km);

}

}

Part 3.

internal class ConvertValues

{

public double kilometerTOmeter(double km)

{

double meter = km \* 1000;

return meter;

}

}

Program.cs

internal class Program

{

static void Main(string[] args)

{

Console.Write("Enter Km Value : ");

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

ConvertValues cv = new ConvertValues();

double meter = cv.kilometerTOmeter(km);

Console.WriteLine("{0} km = {1} m", km, meter);

}

}

**Question 02.**

internal class FindValues

{

public double findArea(double radius)

{

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

return area;

}

public double findCircumference(double radius)

{

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

return circumference;

}

}

Program.cs

internal class Program

{

static void Main(string[] args)

{

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

FindValues fv = new FindValues();

double area = fv.findArea(radius);

double circumference = fv.findCircumference(radius);

Console.WriteLine("The area of the circle is: {0}", area);

Console.WriteLine("The circumference of the circle is: {0}", circumference);

}

}