**C# Lab 04. Question 01.**

1. using System;

namespace ConvertValues

{

class Program

{

static void Main(string[] args)

{

// Create an object of the ConvertValues class.

ConvertValues convertValues = new ConvertValues();

// Get the kilometer value from the user.

Console.WriteLine("Enter the kilometer value:");

int kilometer = int.Parse(Console.ReadLine());

// Convert the kilometer value to meter.

convertValues.kilometerTOmeter(kilometer);

}

}

class ConvertValues

{

public void kilometerTOmeter(int kilometer)

{

// Calculate the meter value.

int meter = kilometer \* 1000;

// Display the meter value.

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

}

}

}

2. using System;

namespace ConvertValues

{

class Program

{

static void Main(string[] args)

{

// Create an object of the ConvertValues class.

ConvertValues convertValues = new ConvertValues();

// Get the kilometer value from the user.

Console.WriteLine("Enter the kilometer value:");

int kilometer = int.Parse(Console.ReadLine());

// Convert the kilometer value to meter.

convertValues.kilometerTOmeter(kilometer);

}

}

class ConvertValues

{

public void kilometerTOmeter(int kilometer)

{

// Calculate the meter value.

int meter = kilometer \* 1000;

// Display the meter value.

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

}

}

}

3. using System;

namespace ConvertValues

{

class Program

{

static void Main(string[] args)

{

// Create an object of the ConvertValues class.

ConvertValues convertValues = new ConvertValues();

// Get the kilometer value from the user.

Console.WriteLine("Enter the kilometer value:");

int kilometer = int.Parse(Console.ReadLine());

// Convert the kilometer value to meter and get the result.

int meter = convertValues.kilometerTOmeter(kilometer);

// Display the meter value.

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

}

}

class ConvertValues

{

public int kilometerTOmeter(int kilometer)

{

// Calculate the meter value.

int meter = kilometer \* 1000;

// Return the meter value.

return meter;

}

}

}

**Question 02.**

**using System;**

**namespace FindCircleValues**

**{**

**class Program**

**{**

**static void Main(string[] args)**

**{**

**// Create an object of the FindValues class.**

**FindValues findValues = new FindValues();**

**// Get the radius value from the user.**

**Console.WriteLine("Enter the radius value:");**

**float radius = float.Parse(Console.ReadLine());**

**// Calculate the area and circumference of the circle.**

**float area = findValues.findArea(radius);**

**float circumference = findValues.findCircumference(radius);**

**// Display the area and circumference of the circle.**

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

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

**}**

**}**

**class FindValues**

**{**

**public float findArea(float radius)**

**{**

**// Calculate the area of the circle.**

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

**// Return the area of the circle.**

**return area;**

**}**

**public float findCircumference(float radius)**

**{**

**// Calculate the circumference of the circle.**

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

**// Return the circumference of the circle.**

**return circumference;**

**}**

**}**

**}**