1. Write a Console Application to calculate the sum of two user input numbers.

using System;

namespace ConsoleApp12

{

internal class Program

{

static void Main(string[] args)

{

Console.Write("Enter the first number: ");

float num1 = float.Parse(Console.ReadLine());

Console.Write("Enter the second number: ");

float num2 = float.Parse(Console.ReadLine());

float sum = num1 + num2;

Console.WriteLine("Sum: " + sum);

Console.ReadLine();

}

}

}

2. Write a Console Application to calculate sum, subtraction, multiplication and division of two user input numbers.

using System;

namespace ConsoleApp13

{

internal class Program

{

static void Main(string[] args)

{

Console.Write("Enter the first number: ");

float num1 = float.Parse(Console.ReadLine());

Console.Write("Enter the second number: ");

float num2 = float.Parse(Console.ReadLine());

float sum = num1 + num2;

float subtraction = num1 - num2;

float multiplication = num1 \* num2;

float division = num1 / num2;

Console.WriteLine("Sum: " + sum);

Console.WriteLine("Subtraction: " + subtraction);

Console.WriteLine("Multiplication: " + multiplication);

Console.WriteLine("Division: " + division);

Console.ReadLine();

}

}

}

3. Write a Console Application to calculate area and circumference of a circle for given radius.

using System;

namespace ConsoleApp14

{

internal class Program

{

static void Main(string[] args)

{

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

double radius = Convert.ToDouble(Console.ReadLine());

double area = Math.PI \* Math.Pow(radius, 2);

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

Console.WriteLine("Area of the circle: " + area);

Console.WriteLine("Circumference of the circle: " + circumference);

Console.ReadLine();

}

}

}

4. Write a Console Application to check if a given number is even or odd.

using System;

namespace ConsoleApp15

{

internal class Program

{

static void Main(string[] args)

{

Console.Write("Enter a number: ");

int number = Convert.ToInt32(Console.ReadLine());

if (number % 2 == 0)

{

Console.WriteLine("The number is even.");

}

else

{

Console.WriteLine("The number is odd.");

}

Console.ReadLine();

}

}

}

5. Upgrade the above console application which enables 10 user inputs and displays even or odd for each user input.

using System;

namespace ConsoleApp16

{

internal class Program

{

static void Main(string[] args)

{

for (int i = 1; i <= 10; i++)

{

Console.Write($"Enter number {i}: ");

int number = Convert.ToInt32(Console.ReadLine());

if (number % 2 == 0)

{

Console.WriteLine("The number is even.");

}

else

{

Console.WriteLine("The number is odd.");

}

}

Console.ReadLine();

}

}

}