Lab 01

Q1.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q1

{

internal class Program

{

static void Main(string[] args)

{

Console.Write("Enter Your Name: ");

string name = Console.ReadLine();

Console.Write("Enter Your Batch: ");

string batch = Console.ReadLine();

Console.WriteLine("Your name is " + name);

Console.WriteLine("Your batch is " + batch);

Console.ReadKey();

}

}

}

Q2.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q2

{

internal class Program

{

static void Main(string[] args)

{

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

string radiusInput = Console.ReadLine();

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

{

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

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

}

else

{

Console.WriteLine("Invalid input. Please entetr the valid inputs");

}

Console.ReadKey();

}

}

}

Q3.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q3

{

internal class Program

{

static void Main(string[] args)

{

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

string firstnum = Console.ReadLine();

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

string secondnum = Console.ReadLine();

if(double.TryParse(firstnum, out double value1) && double.TryParse(secondnum, out double value2))

{

double sum = value1 + value2;

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

}

else

{

Console.WriteLine("Invalid input. Try again");

}

Console.ReadKey();

}

}

}

Q4.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Q4

{

internal class Program

{

static void Main(string[] args)

{

Console.Write("Enter the salary: ");

string empsalary = Console.ReadLine();

Console.Write("Enter the Tax rate: ");

string taxrate = Console.ReadLine();

if(double.TryParse(empsalary,out double salary) && double.TryParse(taxrate, out double tax))

{

double taxAmount = salary \* tax;

double salaryAfterTax = salary - taxAmount;

Console.WriteLine("Your salary after tax is: " + salaryAfterTax);

}

else

{

Console.WriteLine("Your inputs are invalid, Pleasse enter the correct values");

}

Console.ReadKey();

}

}

}