

C# - Lab 03

Q1.

```
namespace Lab
{
    internal class Program
    {
        static void Main(string[] args)
        {
            for (int count = 0; count < 10; count++)
            {
                Console.WriteLine("Enter number: ");
                double num = double.Parse(Console.ReadLine());

                if (num % 2 == 0)
                {
                    Console.WriteLine("Even Number");
                }
                else
                {
                    Console.WriteLine("Odd Number");
                }
                Console.ReadLine();
            }
        }
    }
}
```

Q2.

```
namespace Lab
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter a word: ");
            string word = Console.ReadLine().ToLower();

            int count = 0;
            for(int i = 0; i < word.Length; i++)
            {
                if (word[i] == 'a' || word[i] == 'e' || word[i] == 'i' || word[i] == 'o' || word[i] == 'u')
                {
                    count++;
                }
            }
            Console.WriteLine("Number of vowels: " + count);

            Console.ReadLine();
        }
    }
}
```

Q3.

```
namespace Lab
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter a number: ");
            int num = int.Parse(Console.ReadLine());

            int sum = 0;
            for (int i = num; i > 0; i /= 10)
            {
                sum += i % 10;
            }
            Console.WriteLine("Sum of digits: " + sum);

            Console.ReadLine();
        }
    }
}
```

Q4.

```
namespace Lab
{
    internal class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter a positive integer: ");
            int num = int.Parse(Console.ReadLine());

            int sum = 0;

            for (int i = num; i > 0; i /= 10)
            {
                if (i % 2 != 0)
                {
                    sum += i % 10;
                }
            }
            Console.WriteLine("Sum of odd numbers: " + sum);

            Console.ReadLine();
        }
    }
}
```