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**C# Lab Sheet 03**

**Question 01**

{

internal class Program

{

static void Main(string[] args)

{

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

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

if (n % 2 == 0)

{

Console.WriteLine("Even");

}

else

{

Console.WriteLine("Odd");

}

}

}

}

**Question 02**

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("Enter a string:");

string input = Console.ReadLine();

int vowelCount = CountVowels(input);

Console.WriteLine($"The number of vowels in the given string is: {vowelCount}");

}

static int CountVowels(string str)

{

int count = 0;

foreach (char c in str)

{

if (IsVowel(c))

{

count++;

}

}

return count;

}

static bool IsVowel(char c)

{

char lowerChar = Char.ToLower(c);

return lowerChar == 'a' || lowerChar == 'e' || lowerChar == 'i' || lowerChar == 'o' || lowerChar == 'u';

}

}

}

**Question 03**

{

internal class Program

{

static void Main(string[] args)

{

int sum = 0;

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

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

for (int i = 0; numbers > 0; i++)

{

int digit = numbers % 10;

sum += digit;

numbers /= 10;

}

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

}

}

}

**Question 04**

{

internal class Program

{

static void Main(string[] args)

{

int sum = 0;

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

int no = Convert.ToInt32(Console.ReadLine());

for (int i = 1; i <= no; i += 2)

{

sum += i;

}

Console.WriteLine("The sum of the odd numbers from 0 to {0} is: {1}", no, sum);

}

}

}