**Quiz#03 Solution**

**Question: Ask for a user input and tell if that number is prime or not.**

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

int i;

for (i = 2; i < prime; i++)

{

if (prime % i == 0)

{

Console.WriteLine("Number is not Prime.");

break;

}

}

if (i == prime)

{

Console.WriteLine("Number is Prime");

}

else if (prime == 1 || prime == 0)

{

Console.WriteLine("0 and 1 are not considered prime");

}

**Question: Ask for a user input and calculate it’s factorial.**

Console.Write("Enter number to find factorial: ");

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

int fact = input;

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

{

fact = fact \* i;

}

Console.WriteLine("Factorial of {0} is: {1}",input,fact);

Console.Write("\n");

**Question: Sum of N numbers.**

Console.Write("Enter number to find sum: ");

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

int sum = input;

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

{

sum = sum + i;

}

Console.WriteLine("Factorial of {0} is: {1}", input, sum);

Console.Write("\n");