//C# Program to Find the Standard Deviation of a

//set of given numbers.

**using** System;

**using** System.Collections.Generic;

**class** Program

{

**private** **static** **void** Main()

{

List<**double**> list = **new** List<**double**> { 1, 2, 3, 4, 5, 6};

**double** mean = 0;

**double** variance = 0;

**double** standard\_deviation = 0;

**double** sum = 0;

**double** temp = 0;

**int** loop = 0;

**for** (loop = 0; loop < list.Count; loop++)

{

sum += list[loop];

}

mean = sum / (list.Count - 0);

**for** (loop = 0; loop < list.Count; loop++)

{

temp += Math.Pow((list[loop] - mean), 2);

}

variance=temp / (list.Count - 0);

standard\_deviation = Math.Sqrt(variance);

Console.WriteLine("Mean : " + mean );

Console.WriteLine("Variance : " + variance );

Console.WriteLine("Standard deviation: " + standard\_deviation);

}

}