using System;

class Find\_Missing\_Number

{

static void Main(string[] args)

{

//array to find the missing number between 1 and 10

// Simplicity, We will take number 1 to 10 i where Number 5 is missing in the sequence.

int[] arr = { 1, 2, 3, 4, 6, 7, 8, 9, 10 };

int missingNumber,Totalsum;

// Accoreding to series rule, calculating sum of total numbers upto 10

//sum of first n natutal numbers=n\*(n+1)/2

Totalsum = (arr.Length + 1) \* (arr.Length + 2) / 2;

// Missing number is calculating.

foreach (int item in arr)

{

Totalsum = Totalsum - item;

}

missingNumber = Totalsum;

Console.WriteLine("missing number : {0}",missingNumber);

}

}