1.What will be the output of the following code snippet:

**using System;**

**public class Program**

**{**

**public static void Main(string[] args)**

**{**

**Console.WriteLine(Math.Round(6.5));**

**Console.WriteLine(Math.Round(11.5));**

**}**

**}**

**2.**What will be the output of the following code snippet:

**using System;**

**public class Program**

**{**

**public static void Main(string[] args)**

**{**

**#if (!pi)**

**Console.WriteLine("i");**

**#else**

**Console.WriteLine("PI undefined");**

**#endif**

**Console.WriteLine("ok");**

**Console.ReadLine();**

**}**

**}**

**3. How to convert a two-dimensional array to a one-dimensional array?**

**4. Reverse a string using c# code. Ex 'HelloWorld'.**

**5. How to remove duplicate characters from a string?**

**ex: helloworld.**

1. **6 12**
2. **i ok**

**3.** **using System;**

**using System.Collections.Generic;**

**using System.Linq;**

**using System.Text;**

**namespace Program**

**{**

**class twodmatrix**

**{**

**int m, n;**

**int[,] a;**

**int[] b;**

**twodmatrix(int x, int y)**

**{**

**m = x;**

**n = y;**

**a = new int[m, n];**

**b = new int[m \* n];**

**}**

**public void readmatrix()**

**{**

**for (int i = 0; i < m; i++)**

**{**

**for (int j = 0; j < n; j++)**

**{**

**Console.WriteLine("a[{0},{1}]=", i, j);**

**a[i, j] = Convert.ToInt32(Console.ReadLine());**

**}**

**}**

**}**

**public void printd()**

**{**

**for (int i = 0; i < m; i++)**

**{**

**for (int j = 0; j < n; j++)**

**{**

**Console.Write("{0}\t", a[i, j]);**

**}**

**Console.Write("\n");**

**}**

**}**

**public void convert()**

**{**

**int k = 0;**

**for (int i = 0; i < m; i++)**

**{**

**for (int j = 0; j < n; j++)**

**{**

**b[k++] = a[i, j];**

**}**

**}**

**}**

**public void printoned()**

**{**

**for (int i = 0; i < m \* n; i++)**

**{**

**Console.WriteLine("{0}\t", b[i]);**

**}**

**}**

**public static void Main(string[] args)**

**{**

**twodmatrix obj = new twodmatrix(2,3);**

**Console.WriteLine("Enter the Elements : ");**

**obj.readmatrix();**

**Console.WriteLine("\t\t Given 2-D Array(Matrix) is : ");**

**obj.printd();**

**obj.convert();**

**Console.WriteLine("\t\t Converted 1-D Array is : ");**

**obj.printoned();**

**Console.ReadLine();**

**}**

**}**

**}**

**4. using System;**

**public class HelloWorld**

**{**

**public static void Main(string[] args)**

**{**

**string name = "HelloWorld";**

**string rev = "";**

**int i;**

**for(i=name.Length-1;i>=0;i--)**

**{**

**rev=rev+name[i];**

**}**

**Console.WriteLine(rev);**

**}**

**}**

**5. using System;**

**using System.Collections.Generic;**

**class Souvik**

**{**

**static String removeDuplicate(char[] str, int n)**

**{**

**int index = 0;**

**for (int i = 0; i < n; i++)**

**{**

**int j;**

**for (j = 0; j < i; j++)**

**{**

**if (str[i] == str[j])**

**{**

**break;**

**}**

**}**

**if (j == i)**

**{**

**str[index++] = str[i];**

**}**

**}**

**char[] ans = new char[index];**

**Array.Copy(str, ans, index);**

**return String.Join("", ans);**

**}**

**public static void Main(String[] args)**

**{**

**char[] str = "helloworld".ToCharArray();**

**int n = str.Length;**

**Console.WriteLine(removeDuplicate(str, n));**

**}**

**}**