**Exercise**

Write java source code which generates stores and outputs 10 random numbers.

**Output**



**Source Code**

**import** java.util.\*;

**public** **class** GenerateTenRandomNuos {

 **public** **static** **void** main(String[] args) {

 // **TODO** Auto-generated method stub

 **double**[] arrNumbers = {2.1, 2.5, 5.05, 7.25};

 // Print all the array elements

 **for** (**int** i = 0; i < arrNumbers.length; i++) {

 Random RandNum = **new** Random();

 **int** GenNum = RandNum.nextInt(10); // generates random num 0 to 10

 arrNumbers[i]=GenNum;

 System.***out***.println(arrNumbers[i] + " ");

 }

 // Summing all elements

 **double** total = 0;

 **for** (**int** i = 0; i < arrNumbers.length; i++) {

 total += arrNumbers[i];

 }

 System.***out***.println("Total is " + total);

 // Finding the largest element

 **double** max = arrNumbers[0];

 **for** (**int** i = 1; i < arrNumbers.length; i++) {

 **if** (arrNumbers[i] > max) max = arrNumbers[i];

 }

 System.***out***.println("Max is " + max);

 }

}