Question2: find the third largest integer in the array

**package** DataStructure;

**import** java.util.Scanner;

**public** **class** thirdlargestinteger{

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

**int**[] z = **new** **int**[9];

**int**[] x = **new** **int**[8];

**int**[] c = **new** **int**[5];

**int**[] v = **new** **int**[2];

**int** temp;

Scanner sc = **new** Scanner(System.***in***);

**for** (**int** i = 0; i < 9; i++) {

z[i] = sc.nextInt();

}

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

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

**if** (z[i] > z[j]) {

temp = z[i];

z[i] = z[j];

z[j] = temp;

}

}

}

System.***out***.println("Third largest number is: " + z[z.length - 3]);

**for** (**int** i = 0; i < 8; i++) {

x[i] = sc.nextInt();

}

System.***out***.println("\*\*\*");

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

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

**if** (x[i] > x[j]) {

temp = x[i];

x[i] = x[j];

x[j] = temp;

}

}

}

System.***out***.println("Third largest number is: " + x[x.length - 3]);

System.***out***.println("\*\*\*");

**for** (**int** i = 0; i < 5; i++) {

c[i] = sc.nextInt();

}

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

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

**if** (c[i] > c[j]) {

temp = c[i];

c[i] = c[j];

c[j] = temp;

}

**else** {

System.***out***.println("Not vaild");

}

}

}

System.***out***.println("Third largest number is: " + c[c.length - 3]);

System.***out***.println("\*\*\*");

**for** (**int** i = 0; i < 2; i++) {

v[i] = sc.nextInt();

}

System.***out***.println("\*\*\*");

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

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

**if** (v[i] > v[j]) {

temp = v[i];

v[i] = v[j];

v[j] = temp;

}

**else** {

System.***out***.println("Not vaild");

}

}

}

System.***out***.println("Third largest number is: " + v[v.length - 3]);

sc.close();

}

}

Question: duplicate element

**package** DataStructure;

**import** java.util.Scanner;

**public** **class** duplicateelement {

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

**int**[] z = **new** **int**[5];

**int**[] x = **new** **int**[7];

Scanner sc = **new** Scanner (System.***in***);

**for** (**int** i = 0; i < 5; i++) {

z[i] = sc.nextInt();

}

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

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

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

System.***out***.println("Duplicate elements in array:"+z[j]);

}}

System.***out***.println("\*\*\*\*\*");

**for** (**int** i = 0; i < 7; i++) {

x[i] = sc.nextInt();

}

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

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

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

System.***out***.println("Duplicate elements in array:"+x[j]);

}}

}

}