**public class** A137 {  
  
 **int num** = 1;  
  
 **public int** repeate(**int**[] y) {  
  
 **int** index = 0;  
 **boolean** f = **false**;  
  
  
 **for** (**int** j = 0; j < y.**length**; j++) {  
 **int** i = j + 1;  
 **while** (i < y.**length** && !f) {  
 **if** (y[i] == y[j]) {  
 f = **true**;  
 **num**++;  
 }  
 i++;  
 }  
 **if** (f = **true**) {  
 index++;  
 } **else** {  
 **num** = 0;  
 }  
 }  
 **return** index;  
 }  
  
 @org.jetbrains.annotations.Contract(pure = **true**)  
 **static int** findRepeating(**int**[] array, **int** x) {  
 **int** sum = 0;  
 **for** (**int** i = 0; i < x; i++)  
 sum += array[i];  
 **return** sum - (((x - 1) \* x) / 2);  
 }  
  
  
 **public static void** main(String[] args) {  
 A317 B = **new** A317();  
 **int**[] Z = {2, 2};  
 **int**[] M = {7, 7, 7, 7, 7};  
  
 System.***out***.println(**"there are "** + B.num + **"of integers are repeated "** + B.repeate(Z) + **" times in the array:"**);  
  
 System.***out***.println(B.findRepeating(Z, Z.**length**));  
  
 }  
}

*/\*\*  
 \* Created by AMAT AL-SORORY on 2/25/2021.  
 \*/***public class** A138 {  
 **public class** T318 {  
 **int num** = 1;  
  
 **public int** repeate(**int** []y) {  
  
 **int** index=0;  
 **boolean** f=**false**;  
  
  
 **for**(**int** j=0;j<y.**length**;j++) {  
 **int** i=j+1;  
 **while** (i < y.**length** && !f) {  
 **if** (y[i] == y[j]) {  
 f= **true**;  
 **num**++;  
 }  
 i++;  
 }  
 **if** (f = **true**){index++;}  
 **else** {**num**=0;}  
 }  
 **return** index;  
 }  
  
 **static int** findRepeating(**int**[] array, **int** x)  
 {  
 **int** sum = 0;  
 **for** (**int** i = 0; i < x; i++)  
 sum += array[i];  
 **return** sum - (((x - 1) \* x) );  
 }  
System.***out***.println(**"there are "**+B.num+**" of integers are repeated "**+B.repeate(M)+**" times in the array:"**);  
  
 System.***out***.println(B.findRepeating(M,M.length));  
 }  
  
}

**public class** Game {  
  
 **public class** Gameentry{  
 **private** String **Name** ;  
 **private int Score**;  
  
 **public** Gameentry(String Name, **int** Score) {  
 **this**.**Name** = Name;  
 **this**.**Score** = Score;  
 }  
  
 **public** String getName() {  
 **return Name**;  
 }  
  
 **public int** getScore() {  
 **return Score**;  
 }  
  
 @Override  
 **public** String toString() {  
 **return "Gameentry{"** +  
 **"Name='"** + **Name** + **'\''** +  
 **", Score="** + **Score** +  
 **'}'**;  
 }  
 }  
  
 **public class** ScorBoard{  
 **private int NumEntries** =0;  
 **private** Gameentry[] **Board**;  
  
 **public** ScorBoard(**int** capa){  
 **Board**=**new** Gameentry[capa];  
 }  
  
 **public void** add(Gameentry E){  
 **int** NewScore =E.getScore();  
 **if** (**NumEntries**<**Board**.**length**||NewScore>**Board**[**NumEntries**-1].getScore()){  
 **if**(numEntries<board.length)  
 **NumEntries**++;  
  
 **int** j=**NumEntries**-1;  
 **while**(j>0&&**Board**[j-1].getScore()<NewScore){  
 **Board**[j]=**Board**[j-1];  
 j--;  
 }  
 **Board**[j]=e;}  
 }  
 **public** Gameentry remove(**int** i)**throws** IndexOutOfBoundsException{  
 **if**(i<0||i>**NumEntries**)  
 **throw new** IndexOutOfBoundsException(**"invaled:"**+i);  
  
 Gameentry temp =**Board**[i];  
  
 **for**(**int** j=i;j<**NumEntries**-1;j++){  
 **Board**[j]=**Board**[j+1];  
 }  
 **Board**[**NumEntries**-1]=**null**;  
 **NumEntries**--;  
 **return** temp;

}}}