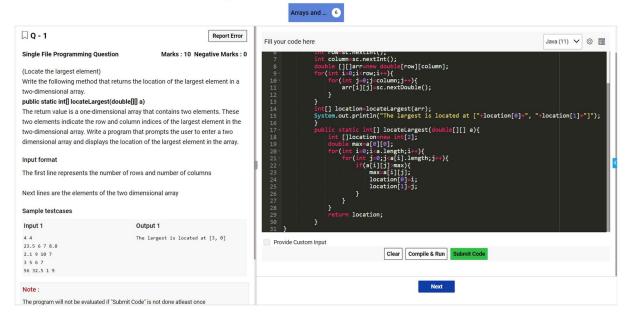
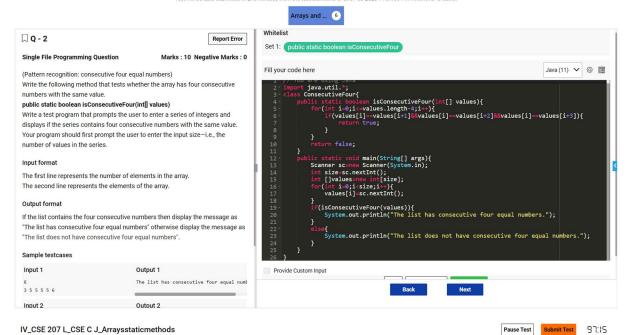


Test will be auto submitted in 210 minutes from the test start time or at 01-03-2023 11:01:00 PM whichever is earlier



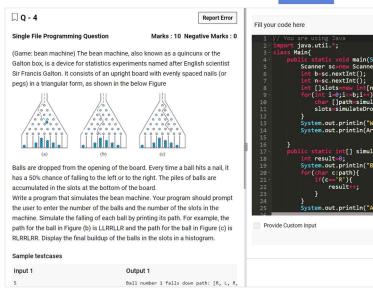


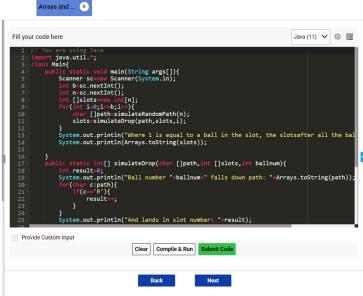
Test will be auto submitted in 210 minutes from the test start time or at 01-03-2023 11:01:00 PM whichever is earlier

Arrays and ... 6 Report Error Fill your code here

```
□ Q - 3
Single File Programming Question
                                                          Marks: 10 Negative Marks: 0
(Count occurrence of numbers)
Write a program that reads the integers between 1 and 100 and counts the
 occurrences of each. Assume the input ends with 0.
Note that if a number occurs more than one time, the plural word "times" is
used in the output.
Input format
Elements in the array separated with spaces till the user gives zero (0).
                                                Output 1
                                                9 occurs 1 time
                                                10 occurs 1 time
21 occurs 1 time
32 occurs 1 time
76 occurs 1 time
                                                89 occurs 1 time
 Input 2
                                                Output 2
                                               8 occurs 1 time
9 occurs 2 times
10 occurs 1 time
32 occurs 2 times
 32 9 8 32 9 10 0
```







IV_CSE 207 L_CSE C J_Arraysstaticmethods

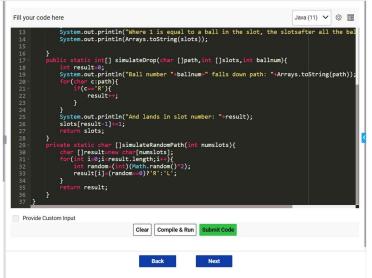
Pause Test Submit Test 37:07

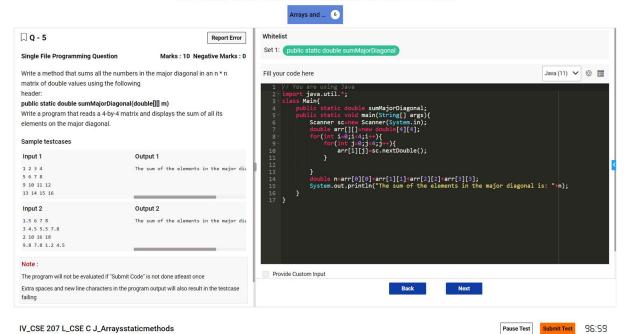
Test will be auto submitted in 210 minutes from the test start time or at 01-03-2023 11:01:00 PM whichever is earlier



```
□ Q - 4
                                                                    Report Error
 Single File Programming Question
                                                   Marks: 10 Negative Marks: 0
(Game: bean machine) The bean machine, also known as a quincunx or the
Galton box, is a device for statistics experiments named after English scientist
Sir Francis Galton. It consists of an upright board with evenly spaced nails (or
pegs) in a triangular form, as shown in the below Figure
 Balls are dropped from the opening of the board. Every time a ball hits a nail, it
has a 50% chance of falling to the left or to the right. The piles of balls are \,
accumulated in the slots at the bottom of the board.
 Write a program that simulates the bean machine. Your program should prompt
 the user to enter the number of the balls and the number of the slots in the
machine. Simulate the falling of each ball by printing its path. For example, the
 path for the ball in Figure (b) is LLRRLLR and the path for the ball in Figure (c) is
RLRRLRR. Display the final buildup of the balls in the slots in a histogram.
Sample testcases
 Input 1
                                         Output 1
```

Ball number 1 falls down path: [R, L, R,





Test will be auto submitted in 210 minutes from the test start time or at 01-03-2023 11:01:00 PM whichever is earlier Arrays and ... 6

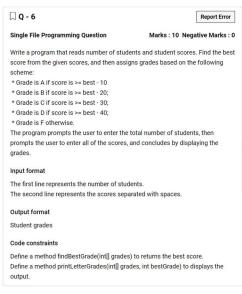
□ Q - 6 Report Error Single File Programming Question Marks: 10 Negative Marks: 0 Write a program that reads number of students and student scores. Find the best score from the given scores, and then assigns grades based on the following scheme: * Grade is A if score is >= best - 10 * Grade is B if score is >= best - 20; * Grade is C if score is >= best - 30; * Grade is D if score is >= best - 40: * Grade is F otherwise. The program prompts the user to enter the total number of students, then prompts the user to enter all of the scores, and concludes by displaying the grades. Input format The first line represents the number of students. The second line represents the scores separated with spaces. Student grades Code constraints

Define a method find Best Grade (int [] grades) to returns the best score. Define a method printLetterGrades(int[] grades, int bestGrade) to displays the

output.

Java (11) 🗸 🕸 🟢 Fill your code here java.util.*; Main{ max(int []arr){ nt i=0;i:arr.length;i++){ f(arr[i]>max) ax=arr[i]; atic void main(String[] args){
er sc=new Scanner(System.in);
-sc.nextInt();
arr=new int[n];
it i=0;i:n;i++){
rr[i]=sc.nextInt(); est-max(arr); **ti-@jin;nji++){ **(arr[i])=best-18) **stem.out.println("Student "*i*" score is "*arr[i]*" and grade is A"); **jstem.out.println("Student "*i*" score is "*arr[i]*" and grade is B"); **stem.out.println("Student "*i*" score is "*arr[i]*" and grade is B"); **lse if(arr[i]>-best-38) Provide Custom Input Clear Compile & Run Submit Code Back





```
Java (11) 🗸 🕲 📠
Fill your code here
                                              static void main(String[] args){
nner sc=new Scanner(System.in);
n=sc.nextInt();
[]arr=new int[n];
(int i=0;i-n;i++){
arr[i]=sc.nextInt();
                                              best-max(arr);
(int i=0;i:n;i++);
if(arr[i]:=best-10)
System.out.println("Student ":i:" score is "*arr[i]:" and grade is A");
else if(arr[i]:=best-20)
System.out.println("Student ":i:" score is "*arr[i]:" and grade is B");
else if(arr[i]:=best-30)
System.out.println("Student ":i:" score is "*arr[i]:" and grade is C");
else if(arr[i]:=best-40)
System.out.println("Student ":i:" score is "*arr[i]:" and grade is D");
                                               else
System.out.println("Student "+i+" score is "+arr[i]+" and grade is F");
     Provide Custom Input
                                                                                            Clear Compile & Run Submit Cod
                                                                                                                         Back
```