

Exception 2(ArrayIndexOutOfBoundsException And NegativeArraySizeException)

Write a program to get the number of overs and the runs scored in each over. Get the over number from the user and display number of runs scored in that over. Let

- number of overs be the array size
- over number be the index of the array+1
- runs be the array elements

This program may generate

1. NegativeArraySize Exception when the number of overs is negative
2. ArrayIndexOutOfRange Exception when the over number that is searched is beyond the specified over numbers.

Use exception handling mechanisms to handle these exceptions. Use a single catch block. In the catch block, print the class name of the exception thrown.

Input and Output Format:

Refer sample input and output for formatting specifications.

All text in bold corresponds to input and the rest corresponds to output.

Sample Input/Output 1:

Enter the number of overs

3

Enter the number of runs for each over

8

15

12

Enter the over number

2

Runs scored in this over : 15

Sample Input/Output 2:

Enter the number of overs

3

Enter the number of runs for each over

8

15

12

Enter the over number

4

java.lang.ArrayIndexOutOfBoundsException

Sample Input/Output 3:

Enter the number of overs

-1

Enter the number of runs for each over

java.lang.NegativeArraySizeException

Testcases

S.No	Name	Input	Output	Sample
1	st1	3 8 15 12 2	Enter the number of overs Enter the number of runs for each over Enter the over number 15	Yes
2	t2	3 8 15 12 4	Enter the number of overs Enter the number of runs for each over Enter the over number java.lang.ArrayIndexOutOfBoundsException	Yes
3	t3	-1	Enter the number of overs java.lang.NegativeArraySizeException	Yes
4	t4	3 8 15 12 3	Enter the number of overs Enter the number of runs for each over Enter the over number 12	No
5	t5	-10	Enter the number of overs java.lang.NegativeArraySizeException	No