

Exceptions: compile-time and runtime.

syntax-error

logical-error

(TLE, ArrayIndexException,
ArithmeticException: /zero.)

create & update
0 < 10 operations:
read & write.

int[] marks = new int[4];

0	1	2	3
10	20	30	40

10
20
30
40

marks[0] = 10;
marks[i] = 20;

int thirdIndexValue = marks[3];
Sout(thirdIndexValue);

Diagrammatic representation:

Array: int[] arr = new int[5];

0	1	2	3	4
0	0	0	0	0

String[] arr = new String[3];

0	1	2
null	null	null

int V = 20;

V = 21;

Q. Array with Scanner:

num = 5

10	Element at 1 position is 10.
5	Element at 2 position is 5.
2	Element at 3 position is 2.
9	Element at 4 position is 9.
3	Element at 5 position is 3.

Arrays:

I syntax:

int[] arr = new int[5];

II syntax:

int v1 = 10; int v2 = 20; int v3 = 30;

int[] arr = {v1, v2, v3};