

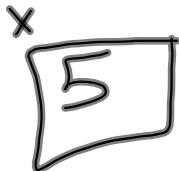
"Hello World!"
0 1 2 3 4 5 6 7 8 9 10 11

charAt()

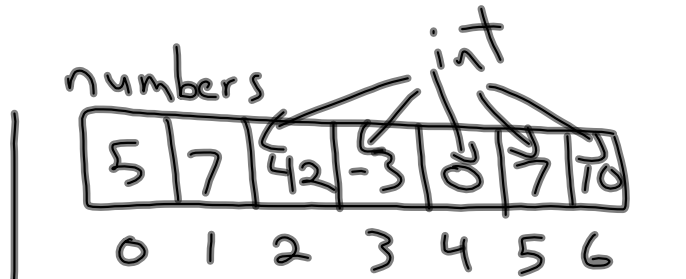
length() ⇒ 12

Arrays

int x=5;



String name="Bob"



declare/init

int[] numbers = new int[7];

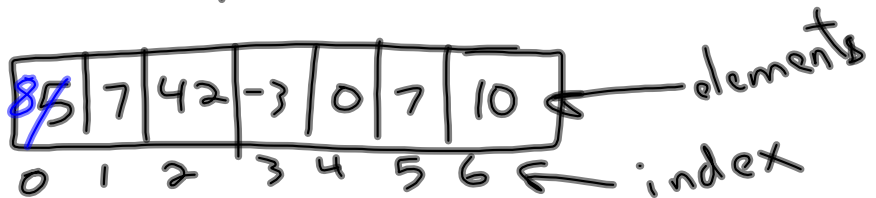
integer array

declare

create an array of integers

all values are \emptyset

accessing elements



numbers[0] = 5;

numbers[1] = 7;

numbers[0] = 8;

s.o.pln(numbers[5]); // prints 7

sum += numbers[3];

```
for(int i=0; i < 7; i++)
    S.o.pln(numbers[i]);
```

```
length
for(int i=0; i < numbers.length; i++)
    S.o.pln(numbers[i]);
```

Roll	Count
1	* counts[0] % d + 1 % d \n
2	counts[1]
3	counts[2]
4	
5	
6	

- roll 2 dice
- count the freq. of sums

Sum	Count
2	—
3	—
4	—
⋮	
12	

```
String[] names = new String[100];
```