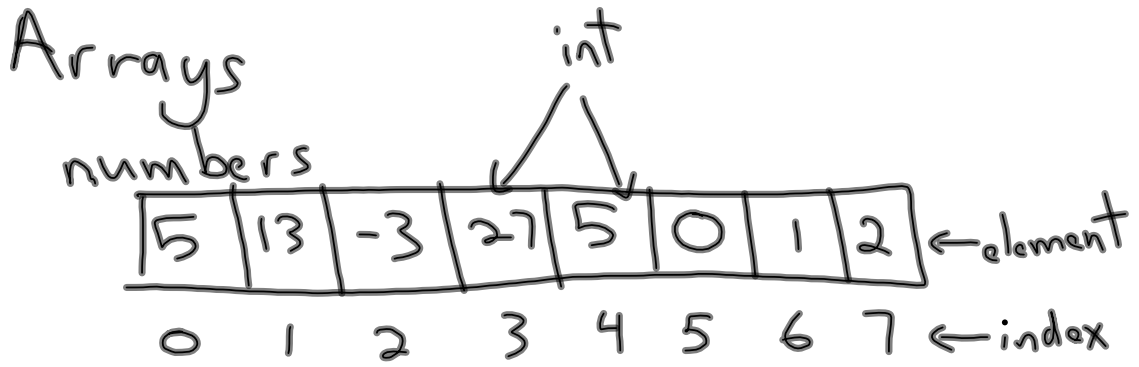


"Hello World!"  
length() : 12  
0 1 2 3 4 5 6 7 8 9 10 11

charAt( )



int x=5



declare/init

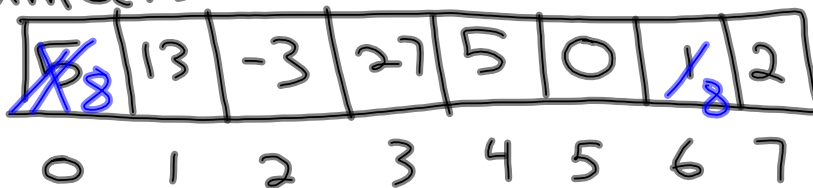
int[] numbers = new int[8];

type: int array

create an array of 8 items, all 0

declare

numbers



numbers[0] = 5;

numbers[1] = 13;

numbers[0] = 8;

int x = 6;

numbers[x] = 8;

System.out.println(numbers[3])  
// print 27

length:

S.o.pln (numbers.length);  
//prints 8

---

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

```
String[] names = new String[100];  
double[] values = new double[50];
```

---

valueArray

Face	Rolls	
1	counts[0]	 "%d\t%d\n"
2	counts[1]	
3	⋮	
4	⋮	
5		
6		

- 
- Roll 2 dice
  - calculate sum
  - count occurrences of sum

Sum	Rolls
2	
3	
4	
5	
⋮	
12	