

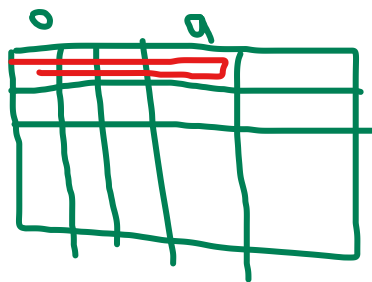
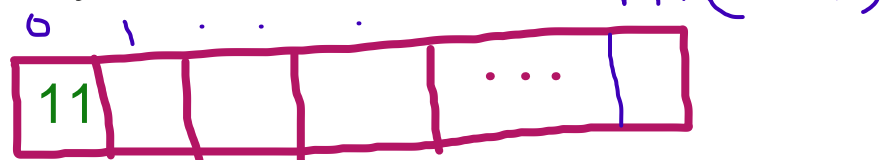
# Data Structures & Algorithms

## Data Structures

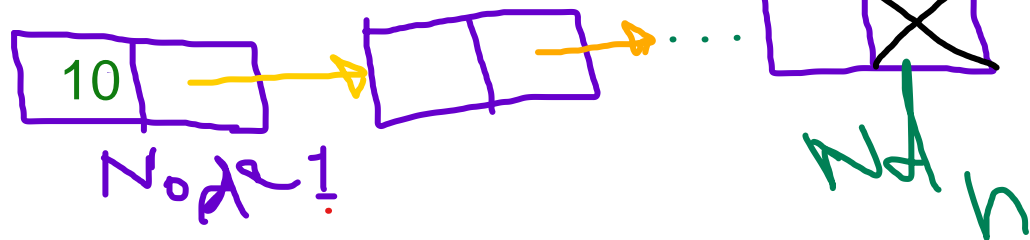
### o Linear Data Structures

List

\* Arrays `int[] numbers;`



\* Linked-List



### o Non-Linear Data Structures

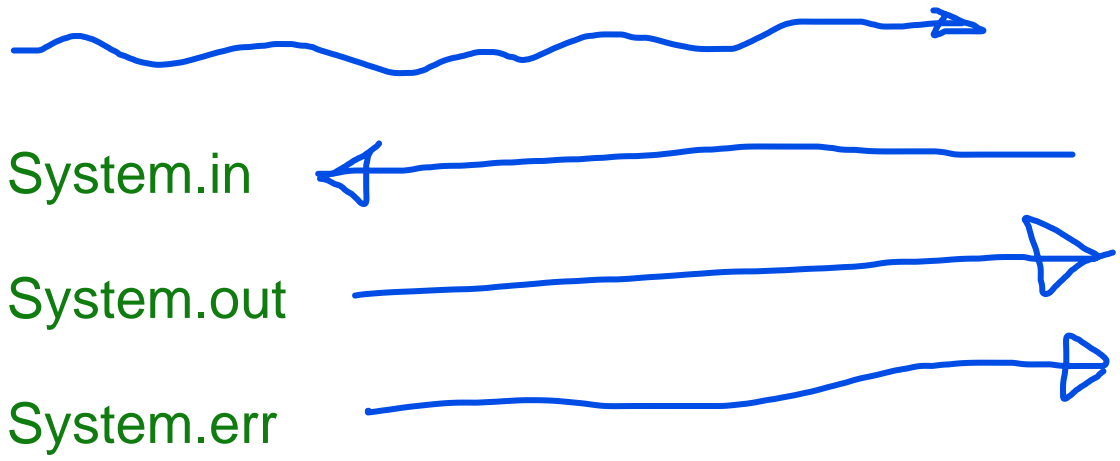
## Map

key	value
1 204	David Jonhson

## Template Classes

```
class T<T>
{
    int a;
    int b;
}
```

```
class Main
{
    public static void main(String[] args)
    {
        T<Employee> employee = new Employee();
        T<StockExchange> stocks = new
StockExchange();
    }
}
```



## Wrapper Classes:

### Primitives

### Wrapper classes

byte -----> Byte

short -----> Short

int -----> Integer

long -----> Long

float -----> Float

double -----> Double

char -----> Character

boolean -----> Boolean

```
String number = "123";
```

```
int iNumber = Integer.parseInt(number);
```

Cricket = {bat, ball, stump, glouse, ball}

Cricket = {bat, ball, stump, glouse}

6  
5 4  
4 3 3 2

