

# Modifier.

Default class Modifier.

- \* visible in the same package.

- \* Default access will package access.

Private class modifier.

- \* Can only be accessed in the same class

- \* Not accessible in case of inheritance too.

# Default class

\* Same package.

\* Super — Subclass  
Same package

# Protected Access.

\* Accessible in Same package.

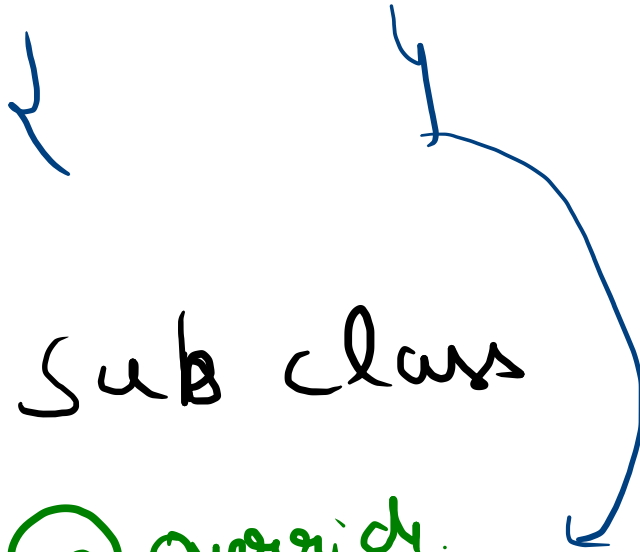
\* Superclass - Sub class  
any package

# Public Access

- \* Can be accessed from every other java class
- \* Superclass - Subclass

final.

Super class



Sub class

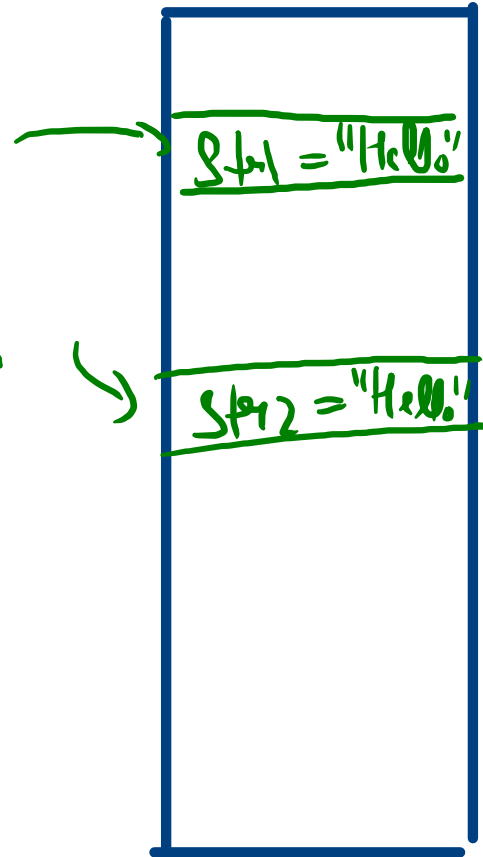
@override.

# String class

final String class {  
    hashCode  
}

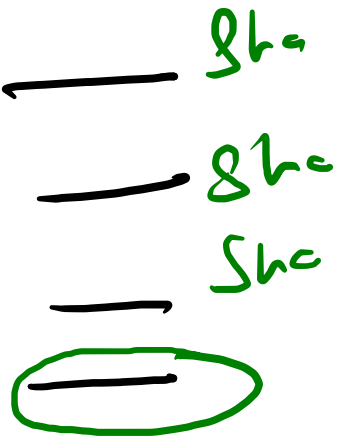
class Manu exted Str.  
{  
    hashCode  
}

hash  
code



# Class Test 1

8th  
8th  
5th  
final  
4





Class level Variable

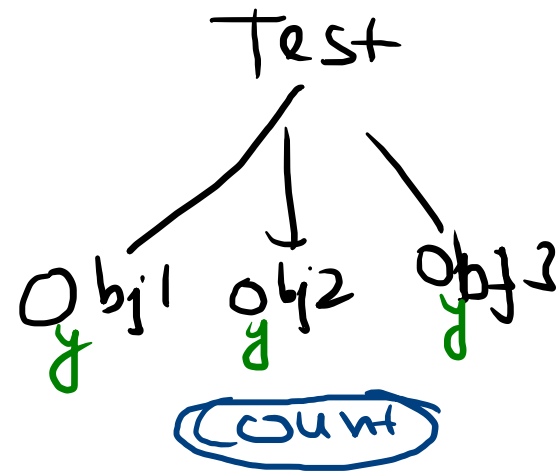
Class level Method

class level variable

class Test

private static int count;

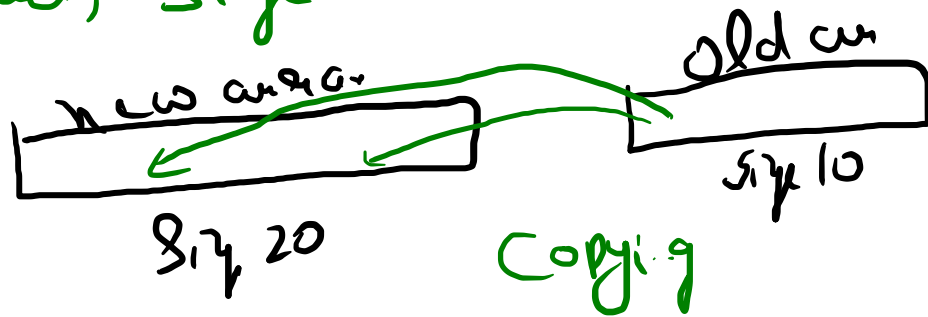
private int y;



Collection..

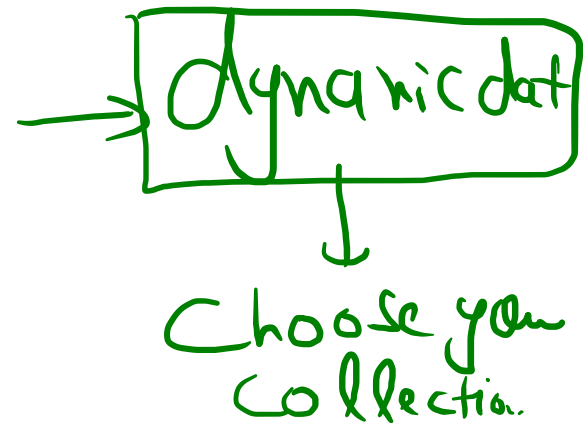
× Arrays are not dynamic:

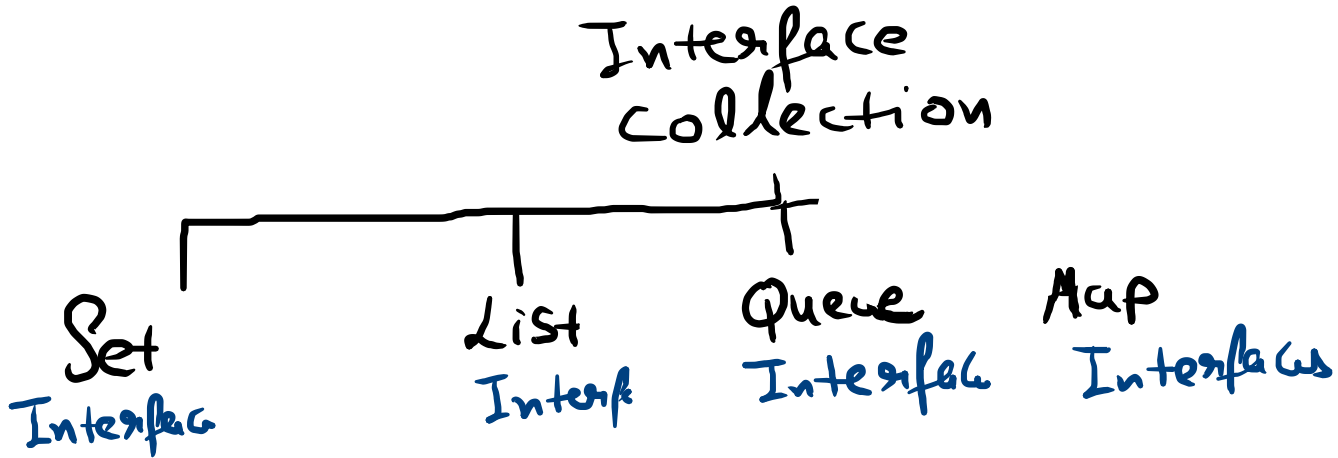
Once array of particular size is declared, size cannot be modified



data is dynamic

ArrayList.add





# List Interface

- \* Contains all Method defined in collections
- \* Maintain Insertion Order,

A B F C D

# ArrayList

- \* implements List interface
- \* store the elements, according to insertion.
- \* Elements can be removed & add based on their position.

```
List<Integer> in = new ArrayList<Integer>();
```

```
in.add(5);
```

```
in.add(6);
```

Auto boxing  
new Integer(5)



# Vector

1. Thread Safe - Synchronized
2. fast access - Random access

Multi threading Env.

# Linked List.

class Linked List implements  
List, Queue

↓

// doubly linked List

// Stack/Queue

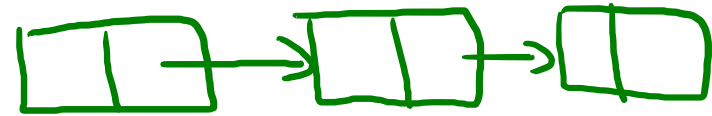
// Slower than Array List

// Fast Insertion/deletion

// Queue → peek(), poll(), remove()

↓

1. Linked List extends List & Queue
2. ~~+~~ Implementing Linked List



Insertion/  
deletion      faster

Searching is slower



## Set Interface.

1. extends Collection
2. does not allow duplication

Set & Sorted Set  $\rightarrow$  Sorted increasing

No guarantee.  
both don't maintain  
order

4 1 7 2 3

4	1	7	2	3
---	---	---	---	---

# HashSet.

- \* implements Set Interface
- \* Not allow duplicat.
- \* does not support Cords.

Concept Expla.

5-15 Min. video

1. Encapsulat.

2.

3.

4.

Week 1 : Monday - Friday  
(Java)

Week 2 : Tuesday - Friday

SQ L

~~Monday Even.~~

01

{ NO class on  
Saturday }

String, Integer, Double, Wrapper class