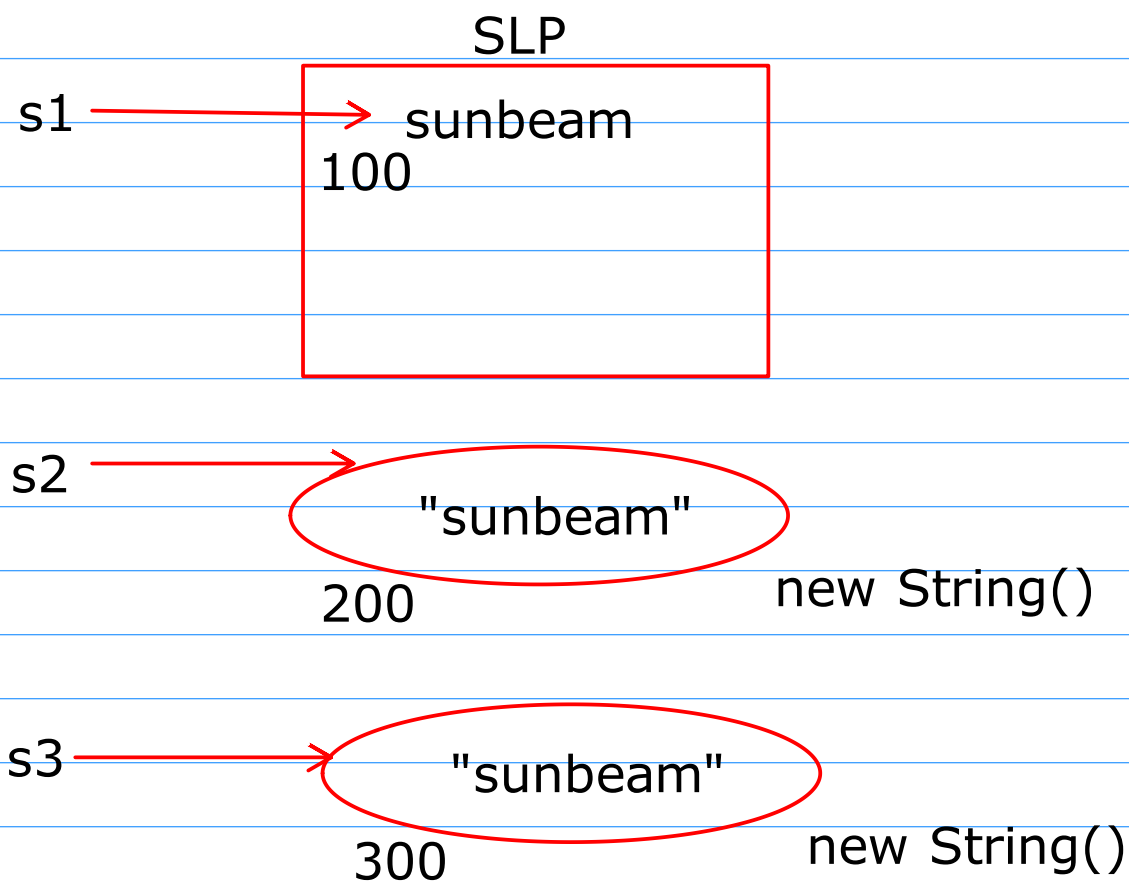
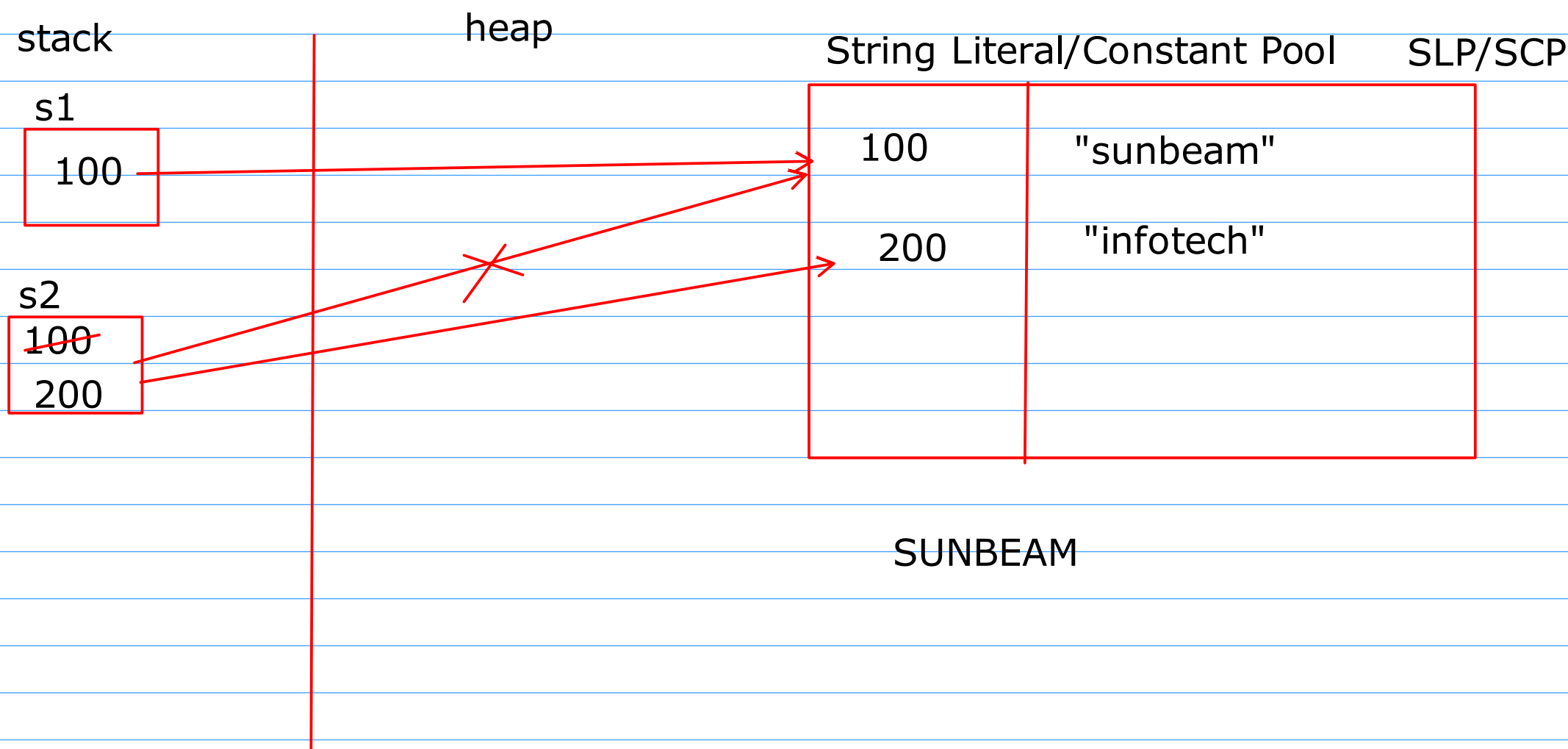
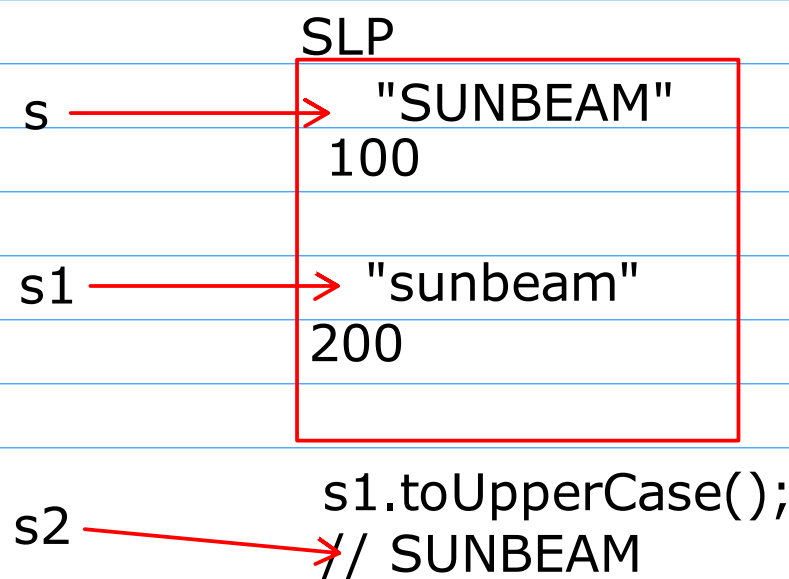


String - Sequence of characters

```
class String{
    String name = "Anil";// String Literal
    ref = address of an object
    ref = null
}
```



String in java is immutable



```
class VoterInformation{
String voterId;
String name;
String city;
String pin;
String mobile;
String Nationality;
}
```

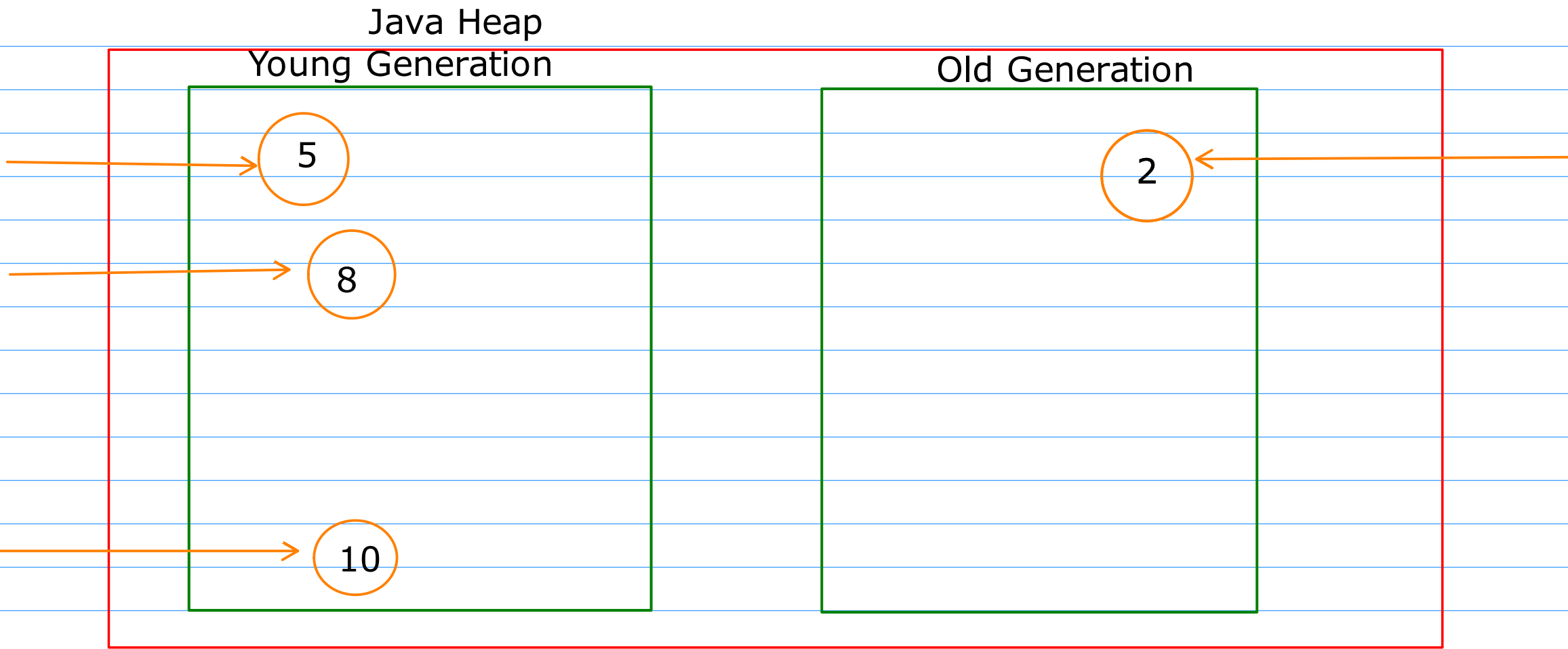
v1	v2	v3
v01	v02	v03
Anil	Mukesh	Anil
Pune	Pune	Pune
411057	411057	411057
9876543210	8976543210	7896543210
100 bytes	100 bytes	100 bytes

100000 * 100 = 1000,00,00

100000*60 = 60,00000 + 40 bytes

100000 * 40
50000 * 20
40 bytes

Garabge Collector



	case -1	case-2
Date d1 = new Date(); Date d2 = d1	Date d1 = new Date(); // GC d1 = null;	Date d1 = new Date();//GC d1 = new Date();
void method(){ Date d1 = new Date(); // GC method(); }		

Mark and Compact Algorithm

- 1. Minor GC
- 2. Major GC

String

-

Generics

Collection Framework

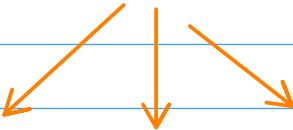
LinkedList



Node

1.5 -> Genrics -> Type Safety

upper Bound -> Number



Number

Lower Bound -> Integer

Employee

Lower Bound - Manager

Salesman

Generic

1. Class

2. Method

3. Interface

Generic Class Reference
Box<? > b;

void display(Box <>b)

Generic Method;

<T>void displayArray(T []arr)

1. Comparable

2. Comparator

```
interface Comparable<T>{  
    int compareTo(T o);  
}
```

Student

compareTo(Date d);this->d1, o->d2

```
equals(Object obj); // this->d1 , obj=d2  
{  
    Downcasting  
}
```

```
Date d1;  
Date d2;  
d1.equals(d2);
```