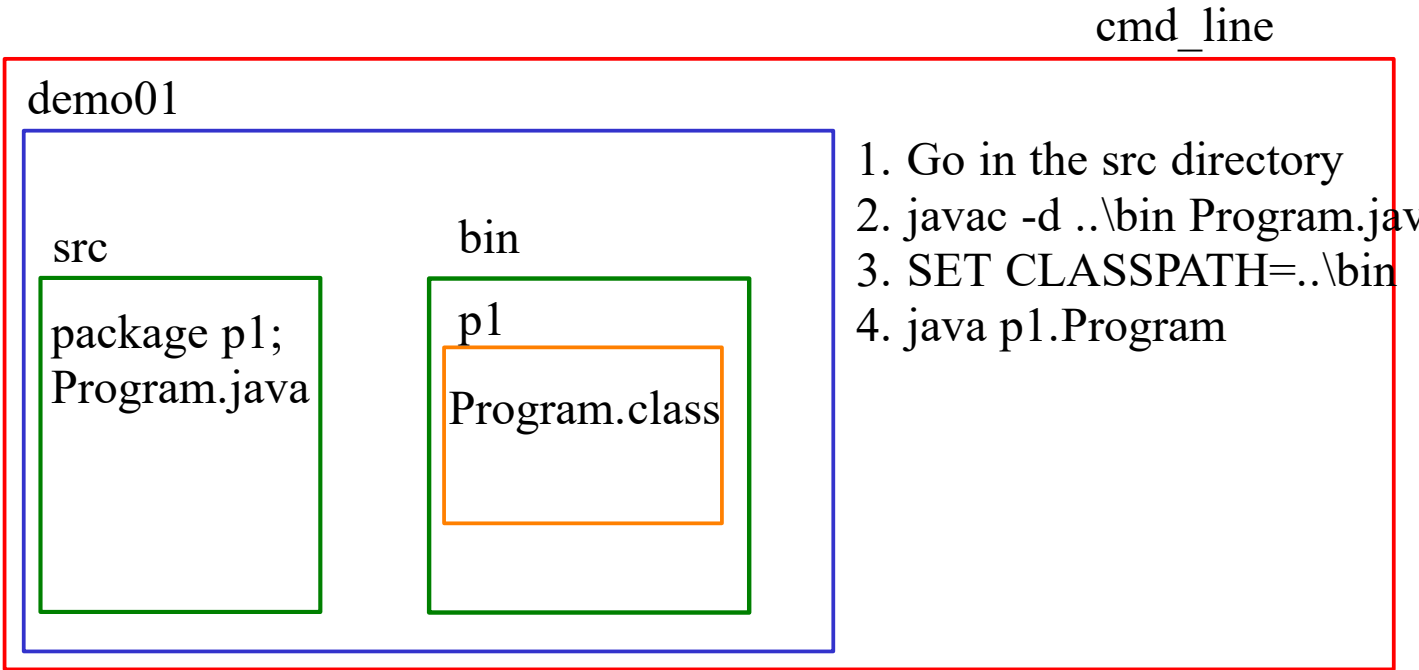


```
Assignment 01
- if(sc.hasNextDouble() && !sc.hasNextInt()){
}
```

Assignment 02

Q2. Menu driven code
menu()

Packages



#Steps for cmd_line demo02

- 1.create src and bin directories inside demo02
2. Add Program.java and Time.java in src declared in p1 and p2 package respectively
3. complete the implementation of both the classes
4. in Program.java import the Time class
5. Do the compilation from the src directory
6. compile the Time.java first.
- javac -d ../bin Time.java
7. SET CLASSPATH=../bin
8. compile the Program.java.
9. java p1.Program

com.sunbeam.attendancesystem

com.sunbeam.attendancesystem.entities

- Employee.java
- Student.java

com.sunbeam.attendancesystem.utils

- Constants
- DBUtil

com.sunbeam.attendancesystem.testers

- Program01.java
- Program02.java

- Modifiers for the members of the class
private

- visible only within the class

package level private(default)

- visible within the class and within the package

protected

- visible within the class, within the package
- also visible in the sub class in different package

public

- visible within the class, within the package,
- also in the different package.

In CPP

Types of Member Functions

1. Constructor
2. Destructor
3. Mutator
4. Inspector
5. Facilitator

Types of Ctor

1. Default/Parameterless Ctor
2. Paramaterized Ctor
3. Copy Ctor

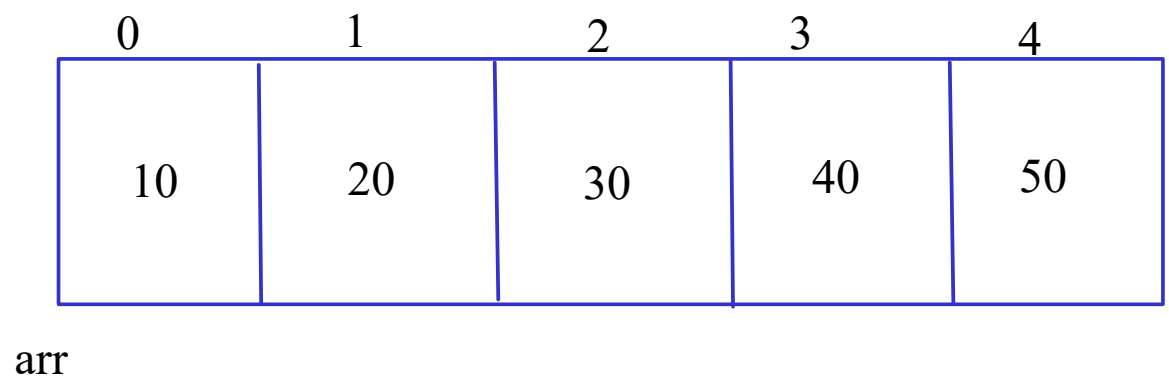
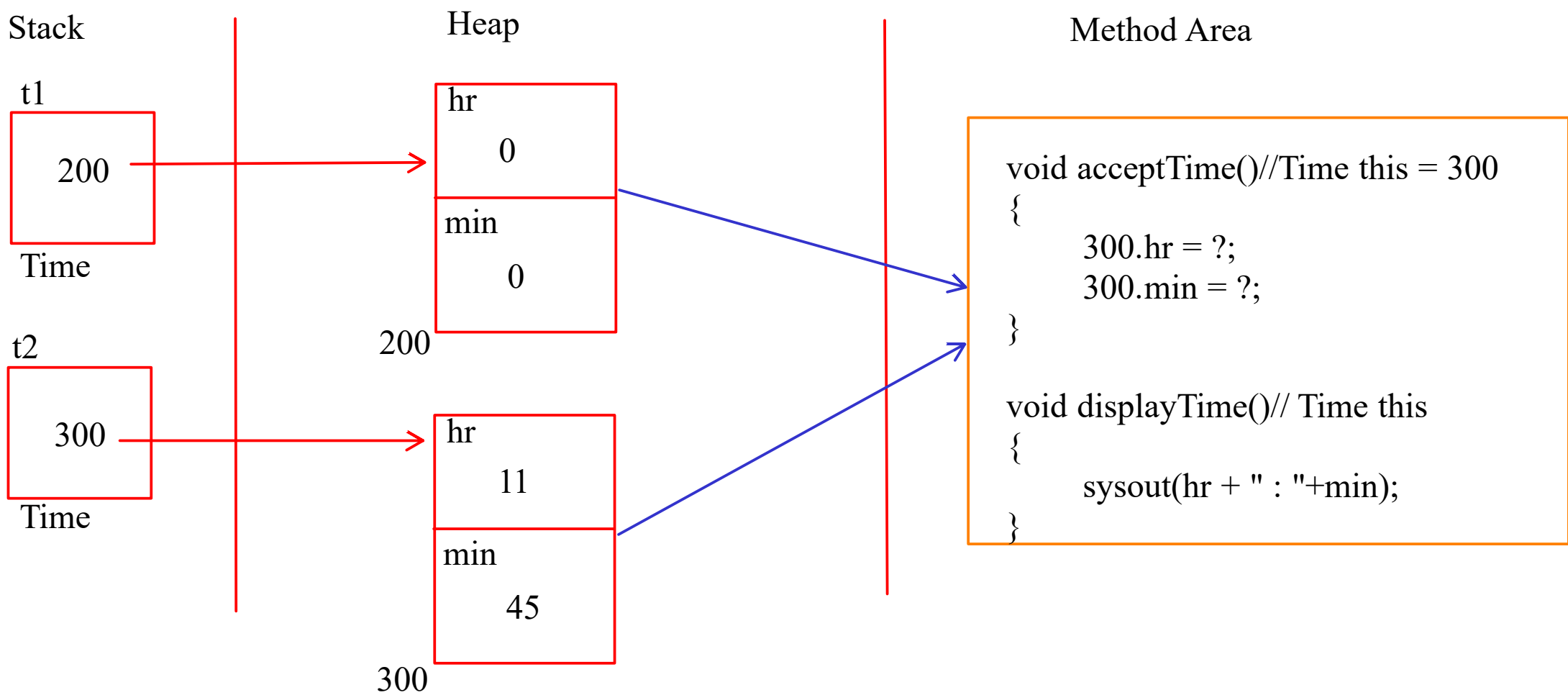
In Java

Types of Methods

1. Constructor
2. Setter
3. Getters
4. Facilitator

Types of Ctor

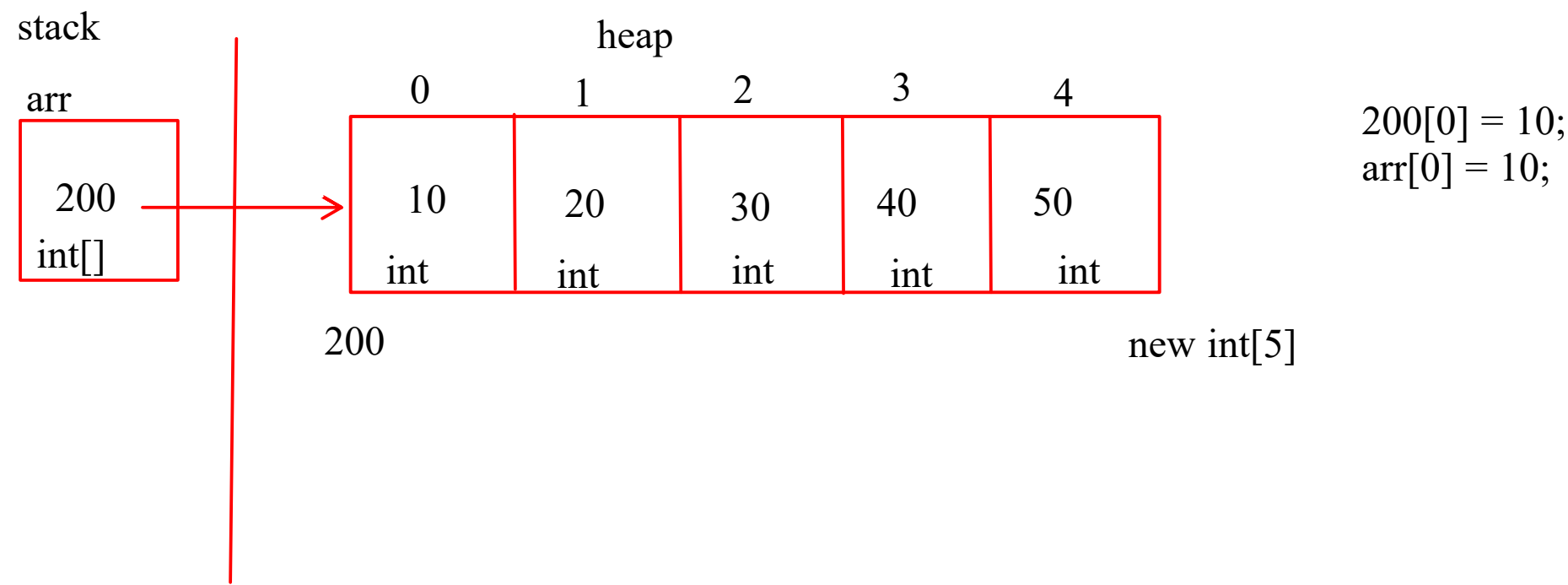
1. Default/Parameterless Ctor
2. Paramaterized Ctor



- In CPP
`int arr[5]; // stack`
`int *arr = new int[5]; // heap`

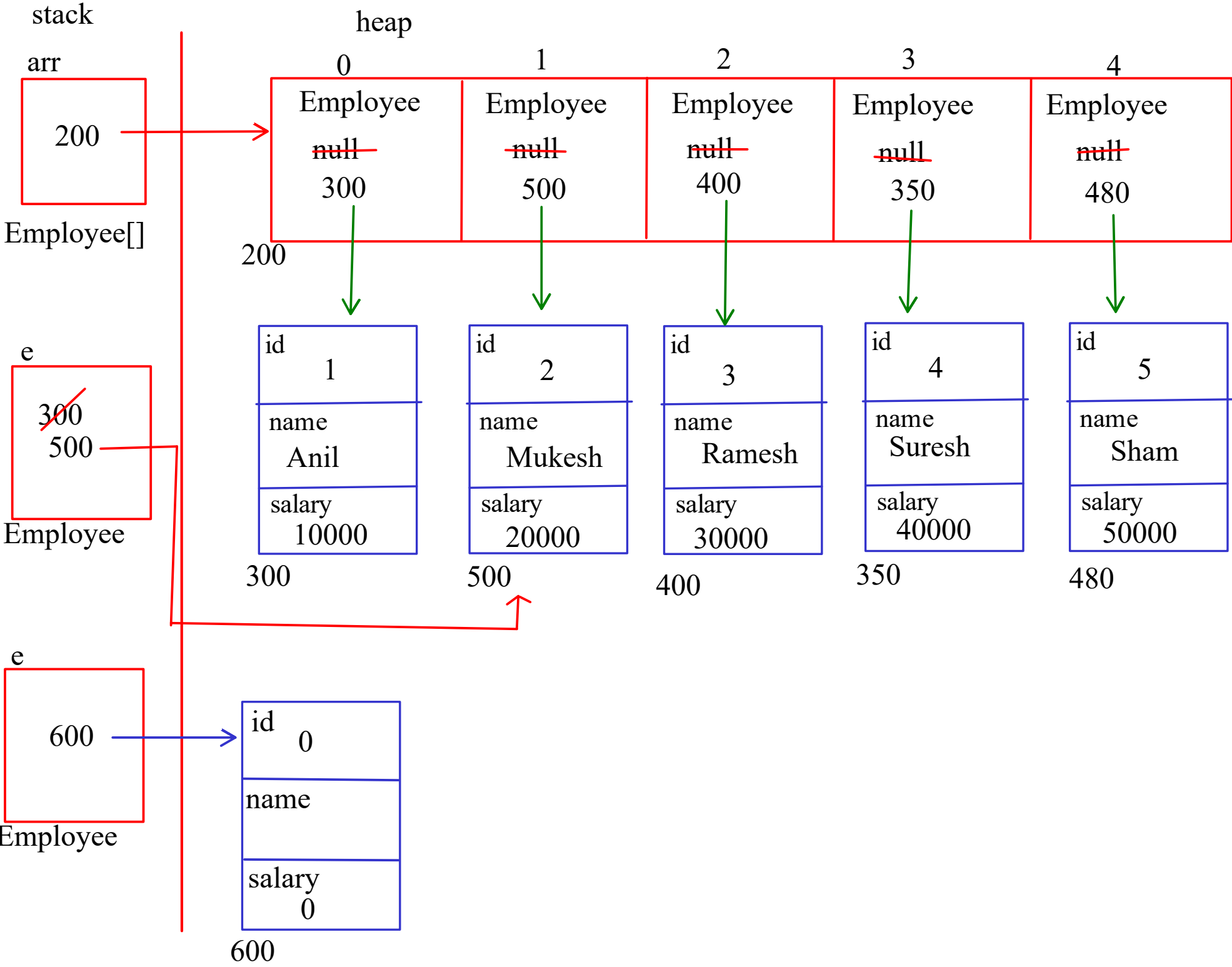
- In Java
`int arr[]; // reference`
`arr = new int[5];`

- # Array
- Array is a reference type in java
 - Their are 3 types of arrays
 1. Single Dimension Array
 2. MultiDimension Array
 3. Ragged Array



```
In cpp,  
Employee arr[5]; // stack -> Array of Objects  
Employee *arr[5]; // stack -> Array of Pointers  
Employee *arr = new Employee[5]; // heap -> Array of Objects  
Employee **arr = new Employee*[5]; // heap -> Array of Pointer
```

```
In Java,  
Employee []arr = new Employee[5];  
//Array of References
```



- Lab
- 1. Packages in STS
 - 2. this reference
 - 3. class and its methods
 - 4. Ctor chaining
 - 5. Array