

Packages

- It is a container
- It is used to group logical related types together

```
eattendance system
class Student{
}
```

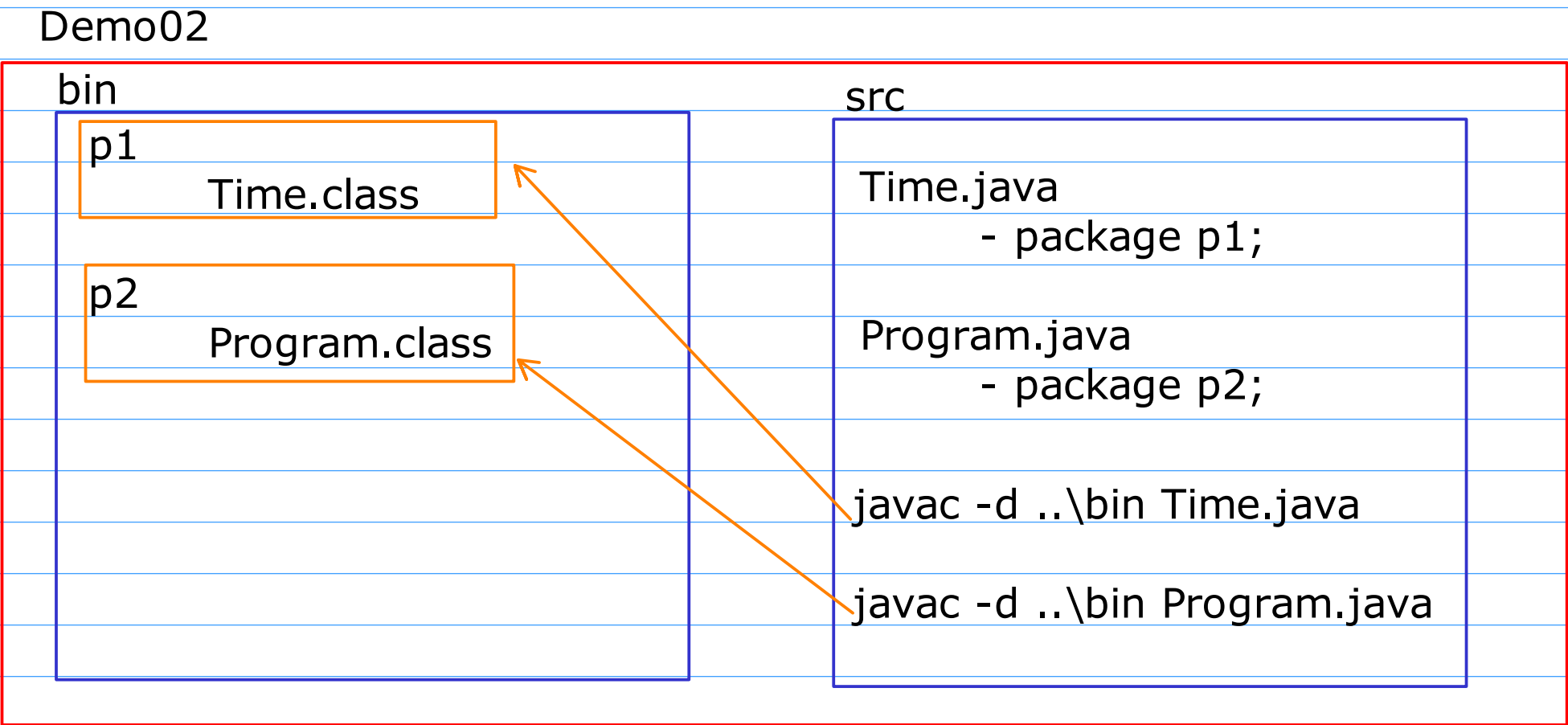
```
package util
class Date{
}
```

```
class Employee{
}
```

```
class Time{
}
```

package entity

Dmart ->
Biscuit
Snacks
Grocery



Editor

IDE - Integrated Development Environment

Notepad
gedit
Notepad++
vscode

- created for specific Tech or lang for building projects
- automate the build process
- eclipse(Java SE)
- intellij (Java SE)
- STS (Java SE and Java EE) Spring Framework
- pycharm
- Android Studio
- Visual Studio

.txt , .c, .cpp, .java, .js, .py,
manual efforts

package

- the package name should be kept in small case
- the name of the package should be on the company domain name in reverse order

domain name - sunbeam.com
package name - com.sunbeam

com.sunbeam.eattendancesystem.enity
com.sunbeam.eattendancesystem.utils
com.sunbeam.eattendancesystem.testter

privtate

- only within the class

default

- only within the same package

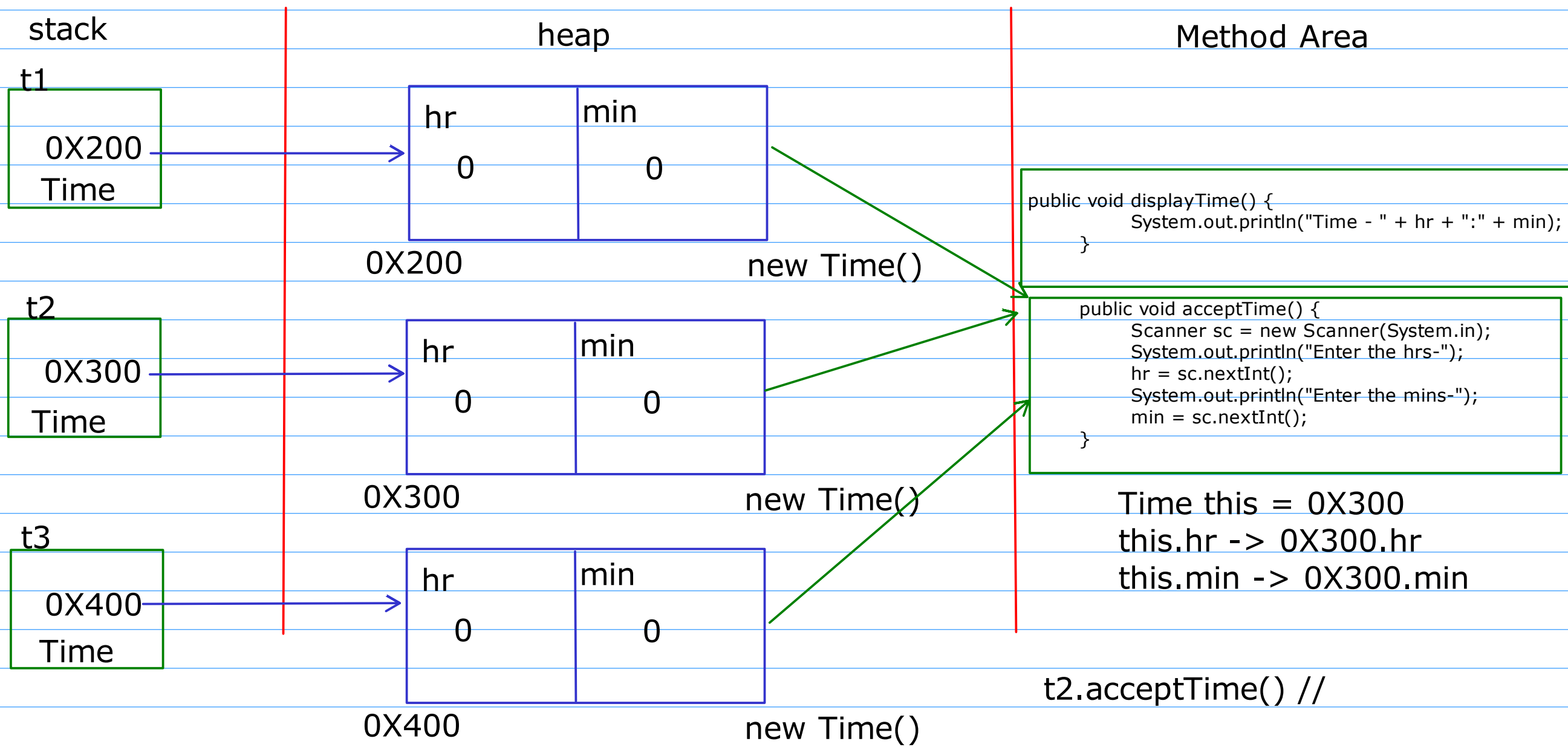
protected

- in the same package
- in the subclass(child class) in other pakages

public

- every where

```
class Time{  
    // fields  
  
    // methods  
}
```



this reference

- it is a reference that is passed internally to all the non static methods of the class
- it points to the current calling object

Types of methods

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

Constructor

- It is a special method of a class
- Why it is so special?
 - The name of ctor is same as that of class name
 - It does not have any return type
 - It gets automatically called when the object is created.

Types of constructor

1. Default / Parameterless ctor
2. Parameterized ctor