

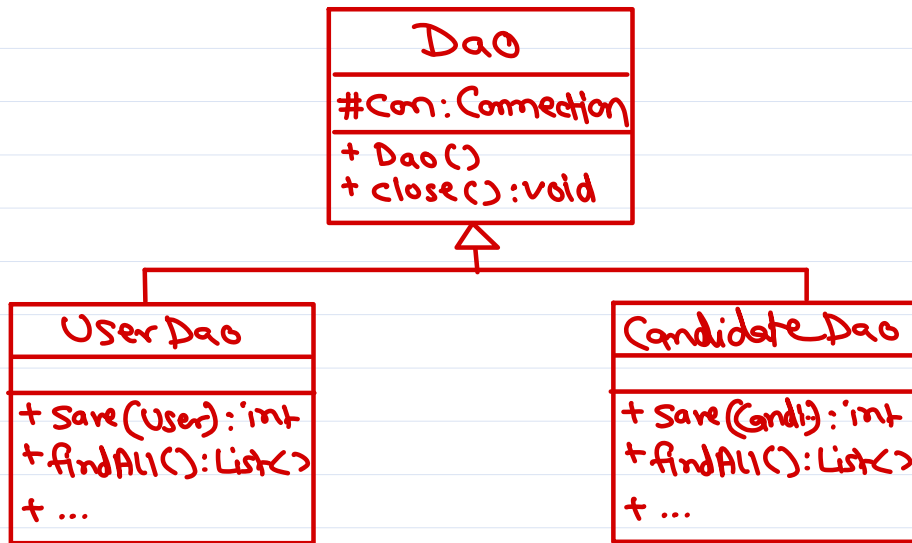


Core Java

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Revision



```
class UserDao ... {
    List<User> findAll() {
        while (rs.next()) {
            java.sql.Date sDate = rs.getDate("dob");
            java.util.Date uDate = new Date(sDate.getTime());
            u = new User(-, -, uDate, ..);
        }
    }

    void save(User u);
    java.sql.Date sDate = new Date(u.getBirth().getTime());
    stmt.setDate(sDate);
}
```

```
class User {
    :
    java.util.Date birthDate;
    :
    void accept() {
        :
        String bdate = sc.next();
        SDF sdf = new SDF("dd-mm-yyyy");
        birthDate = sdf.parse(bdate);
        :
    }

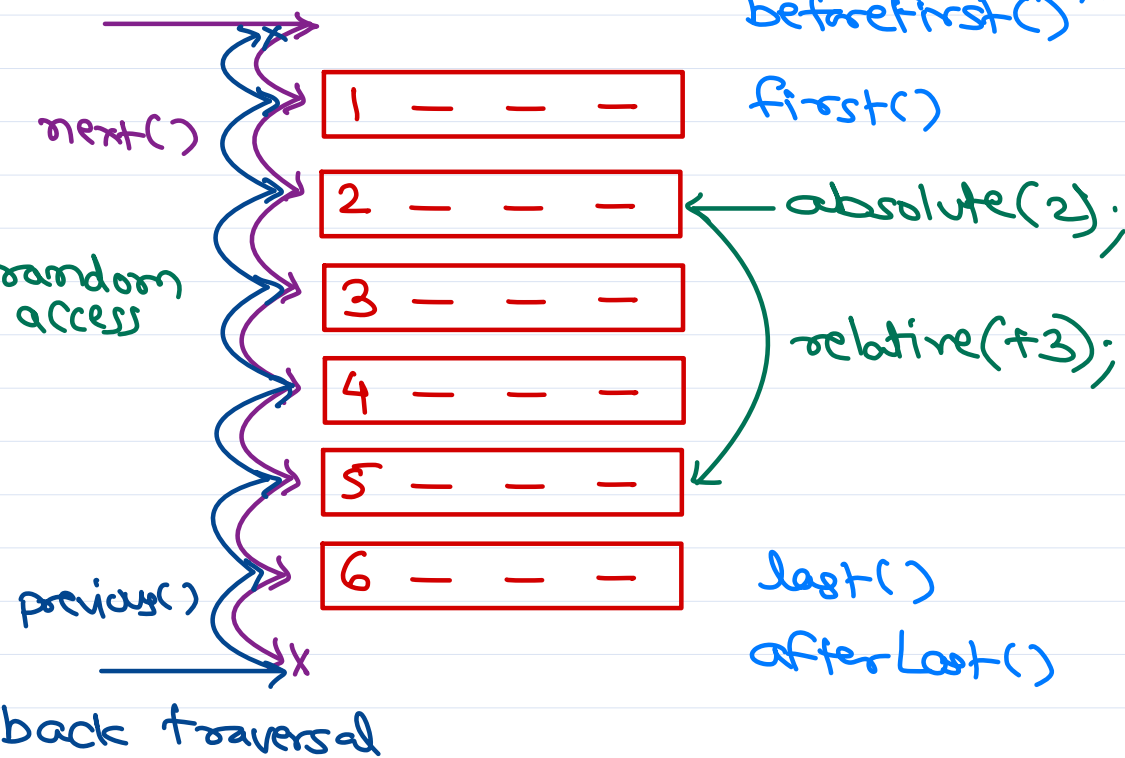
    String toString() {
        SDF sdf = new SDF("dd-mm-yyyy");
        String str = sdf.format(birthDate);
        return "..... BirthDate=" + str + ...;
    }
}
```



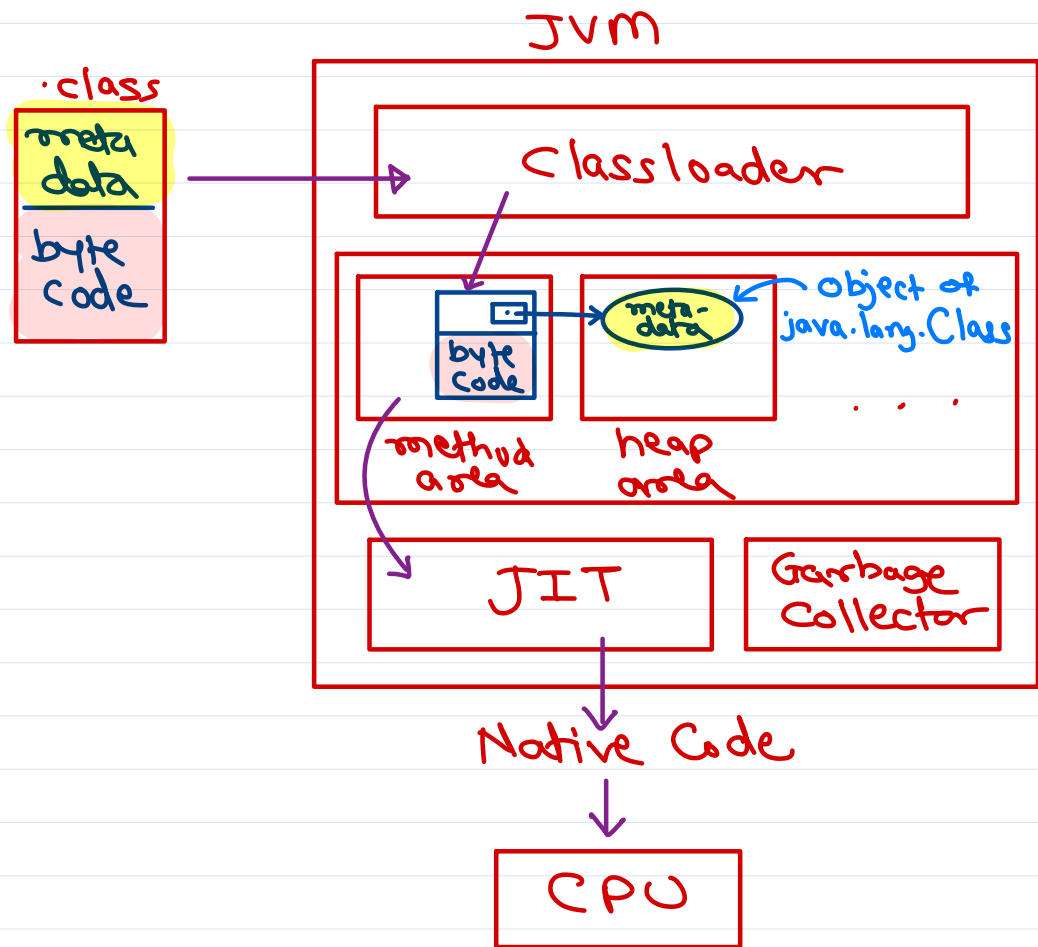
ResultSet

"select * from candidates"

fwd traversal



Reflection



To get `java.lang.Class` obj associated with any class - 3 ways:

- ① `c = Class.forName("pkg.ClassName");`
- ② `c = ClassName.class;`
- ③ `c = obj.getClass();`

To access metadata of a type - methods in `java.lang.Class`.

- ① `getName()`
- ② `getSuperclass()`
- ③ `getInterfaces()`
- ④ `getFields()` or `getDeclaredFields()`
- ⑤ `getMethods()` or `getDeclaredMethods()`
- ⑥ `getConstructors()` ...
- ⑦ `getAnnotations()` ...
- ⑧ `isAbstract()`, `isFinal()`, `isEnum()`, `isInterface()`, ...



Annotations

annotation types

① marker annotation

@Override
@FunctionalInterface

② single valued annotation

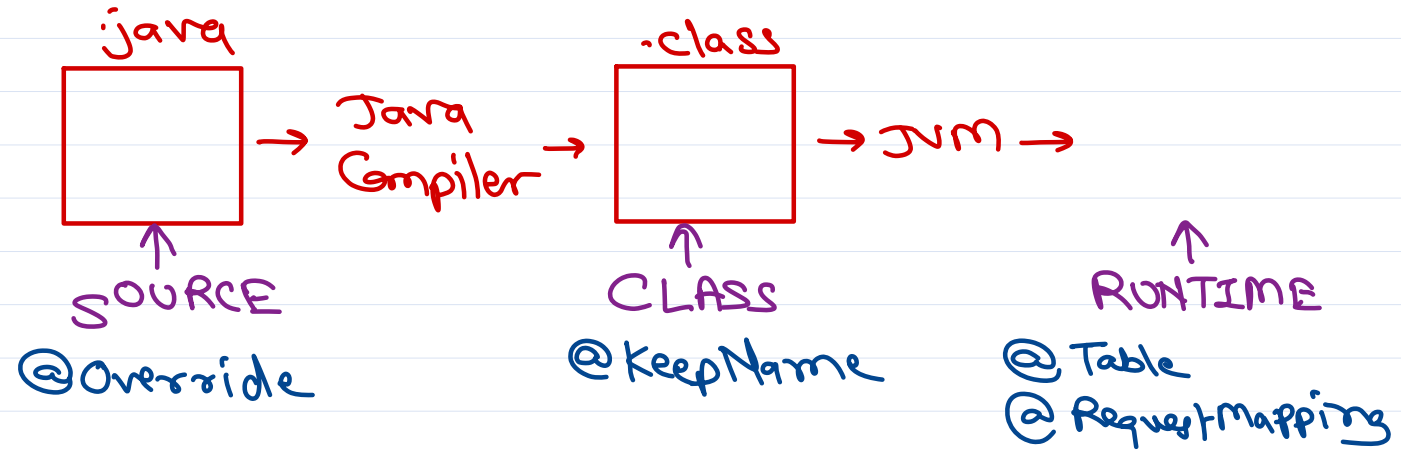
@SuppressWarnings("resource")
@Retention(SOURCE)

③ multi-valued annotation

@OneToMany(—, —)

* meta-annotations: anns to be used while creating new annotations.

@Target
@Retention





Thank you!

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