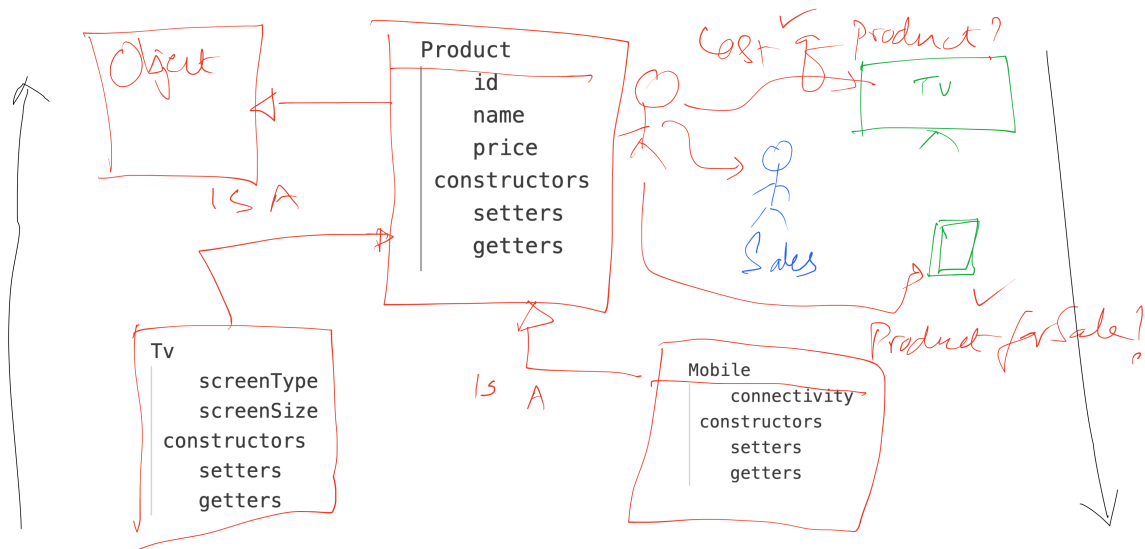


Copy paste
6



→ public Objects < >

```
public class Product {
    public Product() {
        s.o.p("P1");
    }
    public Product(int id, String name) {
        s.o.p("P2");
    }
}
```

new Mobile(); → P1, M1
new Mobile(33, "iPhone", "5G");

```
public class Mobile extends Product {
    public Mobile() {
        s.o.p("M1");
    }
    public Mobile(int id, String name, String connectivity) {
        s.o.p("M2")
    }
}
```

public Objects < 3

```
public class Product {  
    public Product() {  
        s.o.p("P1");  
    }  
    public Product(int id, String name) {  
        s.o.p("P2");  
    }  
}
```

new Mobile();

new Mobile(33, "iPhone", "5G");

P1/M2

```
public class Mobile extends Product {  
    public Mobile() {  
        s.o.p("M1");  
    }  
}
```

```
public Mobile(int id, String name, String connectivity) {  
    s.o.p("M2")  
}
```

public Objects < 3

```
public class Product {  
    public Product() {  
        s.o.p("P1");  
    }  
    public Product(int id, String name) {  
        s.o.p("P2");  
    }  
}
```

new Mobile();

new Mobile(33, "iPhone", "5G");

P2/M2

```
public class Mobile extends Product {  
    public Mobile() {  
        s.o.p("M1");  
    }  
}
```

```
public Mobile(int id, String name, String connectivity) {  
    super(id, name);  
    s.o.p("M2")  
}
```

```

public class Product {
    public double getPrice() {
        return 100;
    }
    public String getName() {
        return "P1";
    }
}

```

```

public class Mobile extends Product {
    public double getPrice() {
        return 999;
    }
    public String getConnectivity() {
        return "4G";
    }
}

```

```

Mobile m = new Mobile();
m.getName();
m.getPrice();
m.getConnectivity();

```

```

public class Product {
    public double getPrice() {
        return 100;
    }
    public String getName() {
        return "P1";
    }
}

```

```

public class Mobile extends Product {
    public double getPrice() {
        return 999;
    }
    public String getConnectivity() {
        return "4G";
    }
}

```

```

Product p = new Mobile();
p.getName();
p.getPrice();
p.getConnectivity();

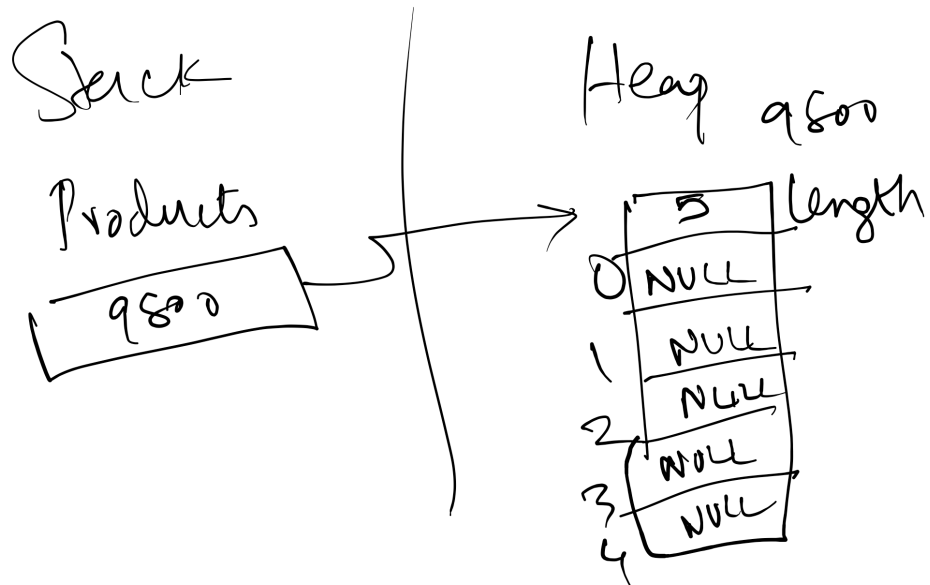
```

UPCASTING



ON/OFF
VOL CHANNEL

`Product[] products = new Product(5);`



```
for(Product p : products) {
    Method[] methods = p.getClass().getMethods();
    for(Method m : methods) {
    }
}
```

- `getConnectivity() : String` ✓
- `setConnectivity(String) : void`
- `isExpensive() : boolean`
- `getId() : int` ✓
- `setId(int) : void`
- `getName() : String` ✓
- `setName(String) : void`
- `getPrice() : double` ✓
- `setPrice(double) : void`
- `isExpensive() : boolean`
- `getClass() : Class<?>` ✓
- `hashCode() : int`
- `equals(Object) : boolean`
- `clone() : Object`
- `toString() : String`
- `notify() : void`
- `notifyAll() : void`
- `wait() : void`
- `wait(long) : void`
- `wait(long, int) : void`
- `finalize() : void`