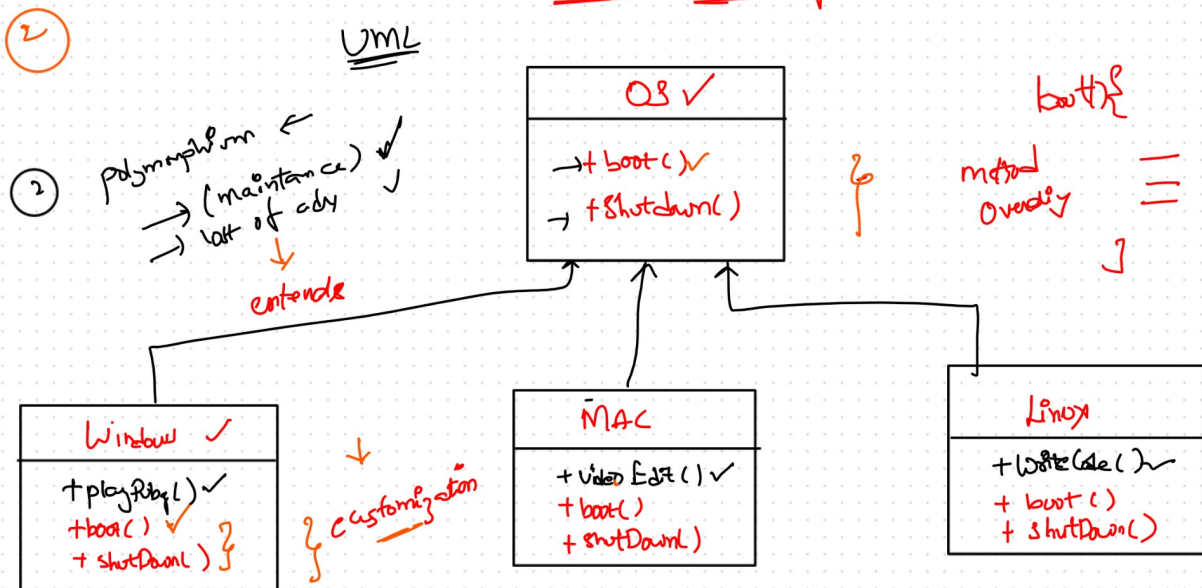


Method Overriding



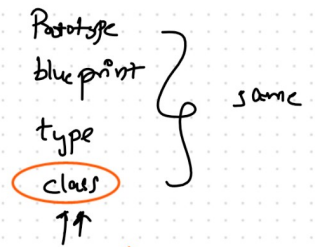
Notes

- The methods which are defined within that particular class becomes "specialized methods" for that particular class respectively
eg: +playPuby(), +videoEdit(), +writeCode()
- if a method is inherited from the parent class { if the body of the method is changed in the child class then such method we call it as overridden method (or) method overridden
eg: +boot(), +shutdown() // overridden method
~ ~ ~ if not customized
eg: windows, mac → inherited method (look for prototype - 1)

Object class

→ Object class is the parent class for all the classes present / written by us in java

→ If we create a class & if we don't use extends (keyword) then that class would inherit Object by default

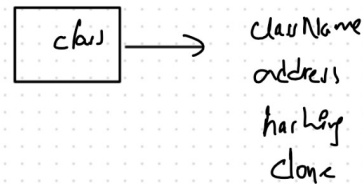


class A {
ps.v.m() {
} }

class A extends Object {



methods of Object class:



(i) getClass()

↓
public final native java.lang.class <?> getClass(); (fully qualified method in package)

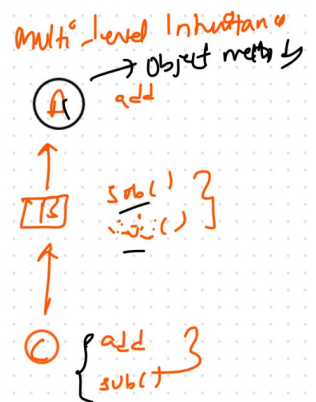
→ this method returns the fully qualified class Name

class ExplainingObjectClass { ✓ implicitly extends Object
}

class Main {
public static void main(String[] args) {
ExplainingObjectClass obj = new ExplainingObjectClass();
System.out.printf("Class Name is %s", obj.getClass());
} }

// class ExplainingObjectClass

(ii) toString(): this method always implicitly called by System.out.println / print. this method returns fully qualified className & address of object & we can override to our needs



public java.lang.String toString()
↑
play name

import java.lang.*

- toString()
- Integer

eg:
class ExplainingObjectClass extends A {
public String toString() {
return "This class belongs to ExplainingObjectClass"
}
}

class Main {
public static void main(String[] args) {
ExplainingObjectClass obj = new ExplainingObjectClass();
System.out.println(obj); // ExplainingObjectClass@15db9742
// This class belongs to ExplainingObjectClass
}
}