Polymorphism :- Method with same names, but behaves differently

Many forms

area ( )
- 1 param → circle, Square
- 2 → Rectangle
- 3 → triangle

Wash → of vegetables

Pen/ computer → button < ON / OFF

Polymorphism $\longrightarrow$ Method Overloading $\longrightarrow$ No need of Inheri Concept

$\searrow$ Method Overriding $\longrightarrow$ Inheritance Concept

$\longrightarrow$ Method Overloading $\longrightarrow$

two or more than two Method

having same name with :

$\longrightarrow$ diff. No. of params

$\longrightarrow$ diff. type of params

$\longrightarrow$ diff. seq. of params.

Class A {

public void m1( ) {

}

public void m1( ) {

}

}

Method Overriding :- Inheritance → 2 class -p-child concept

→ Parent & child classes having same method

name with :-

→ Same No. of Args
→ Same type ~ .
→ Same Seq . .
→ Same return type

[Note :- Static Methods
   Can't be overridden]
because
Static Methods are class level.
→ Class Name. Method Name]

25yrs back

Web Application — Login < username / Password

FB → Login
← GMAIL
Twitter

& Std Login

public void Login() {
    username
    pwd
    buttonclick();
}

Current/Today

Signup →

Login with FB →
or
Login with GMAIL —

Parents

Web App.

public void (login ( ) {

GMAIL
X

FB

Twitter X

child extends

parent {

public void login ( ) {

username
pwd
dob
.
.
;

}

Remove /
Change

+

Login with
FB./GMAIL

//implementation
Change

}
}

Que 1. Can we overload the main( ) ?

Ans → Yes, But Execution will start from main(string[ ]args)
method

2. Can we override the main( ) ?

Ans → No, because main( ) method is static method
and static method can't be overridden