Abstract classes

↳ Abstract method

↳ don't have a body / definition

syntax

```
abstract void Sum(int a, int b);
```

Any class having 1 or more abstract method need to be made abstract.

→ Can not create object

→ Create reference Variable.

static abstract methods ✗

static methods / variables ✓

non static method ✓

Constructor super() ✓

final abstract class/method ✗

multiple inheritance ✗

Interfaces

→ multiple inheritence

→ achiving abstraction

Syntax

```
interface Vehicle {
    int getSpeed();
}
```

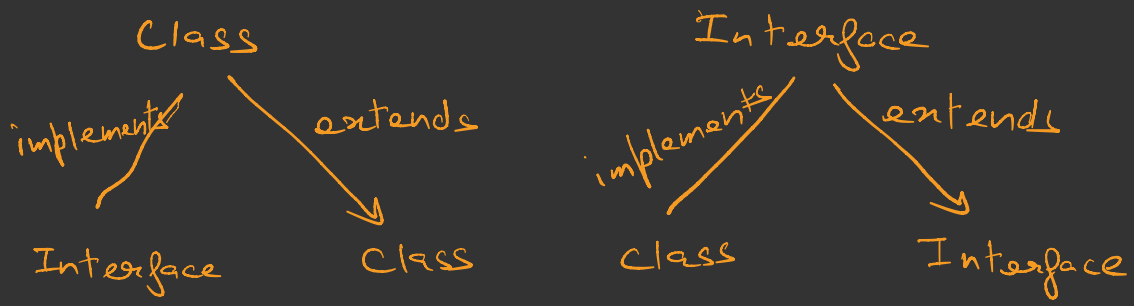
→ every method is abstract and public

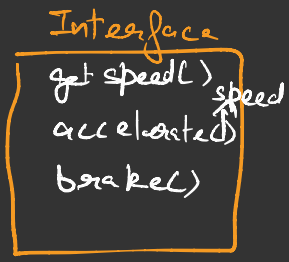
→ can't create object, but can create reference variable

→ no constructor

→ data members / variables → static public final

→ multiple inheritence




Interface
getSpeed()
accelerate()
brake()
speed
Vehicle


A
getSpeed()
B
getSpeed()
C