Object Oriented Programming-2

```
Inheritance

Class Bigad {

private:

double wt. ht;

string woon;

Public:

void fy() {

cont 400I am fying 20;

Bird eagle = new

Bird();

Bird();
```

```
class Biand {

private:

    double wt. ht;

    string woon;

public:

    void fly() {

        cont & reI am flying on;

}

Method II:

Void fly (string bird Type) {

        if (bird Type == 6° hen '')

        //way 1

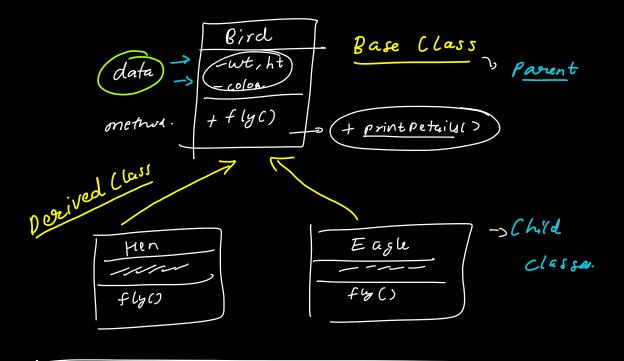
        else if ( = == aeagle")

        //way 2

        // - - -

        3

}
```

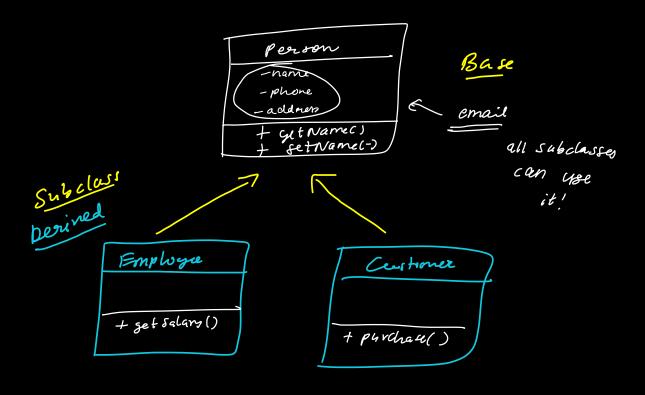


Identify whether we need Inheritance.



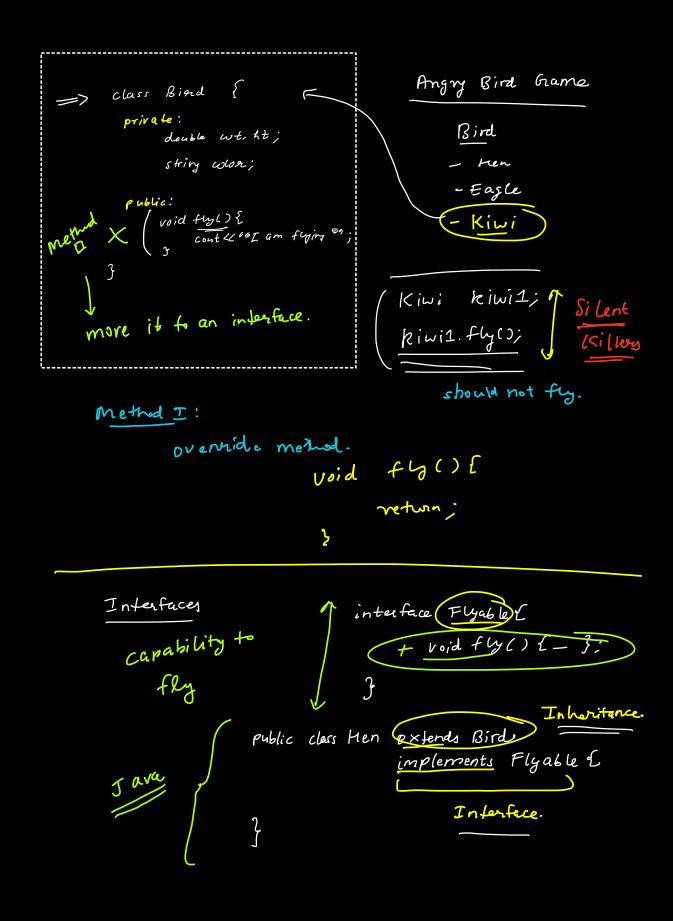
Customer	
-name	
-phone	
-address	
+ get Namel)	
<u>t</u> setNamet	-2/

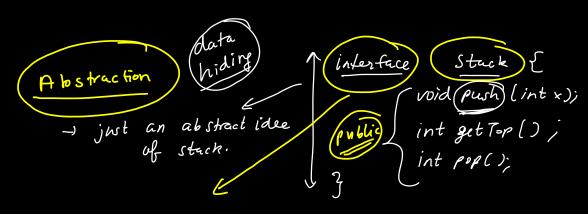
shored attribute & netwods





. (-) Abstract Classes
. (-) Interfaces





- collection of methods that class needs to implement
- Signing a contract / all methods must be implemented.

class spaceship implements Moveable, Drawable of

+ Program to an interface, not to an implementation

preferred over inheritance depending on use

case!

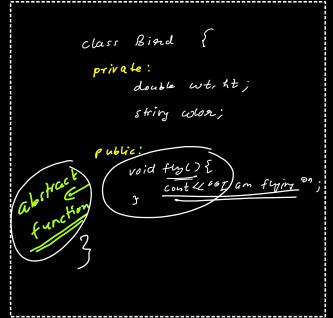
class StackUsing Arrays implements Stack {
privale Array list(int) a;

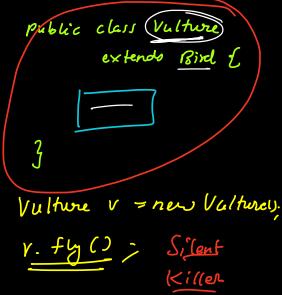
And hiding.

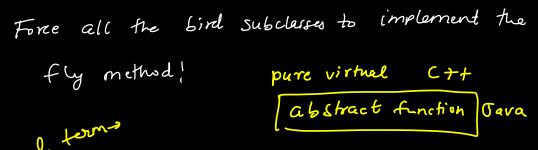
Private wid add (int x) 5

a. a prend (x);

3







General territorial fly();

Any inheriting class must implement their own fly method;

(1) Will are ever need to create an object of Bird class?

Abstract
Class.

- I must have atleast one abstract method.
- only for the purpose of inheritance.
- I no object should be created for it.
- =) Abstact class can have non-abstract methods.