Abstract class

we can provide both Abstract methods & non abstract methods.

Not providing Implementation

* Subclass will provide the implementation

Abstract class (why?)

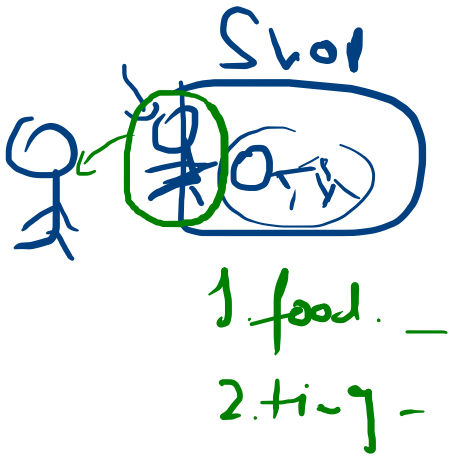
* We can not create Instances of the class.

* Sub class will provide the implemention of abstract methods

* Partially Implemented class.

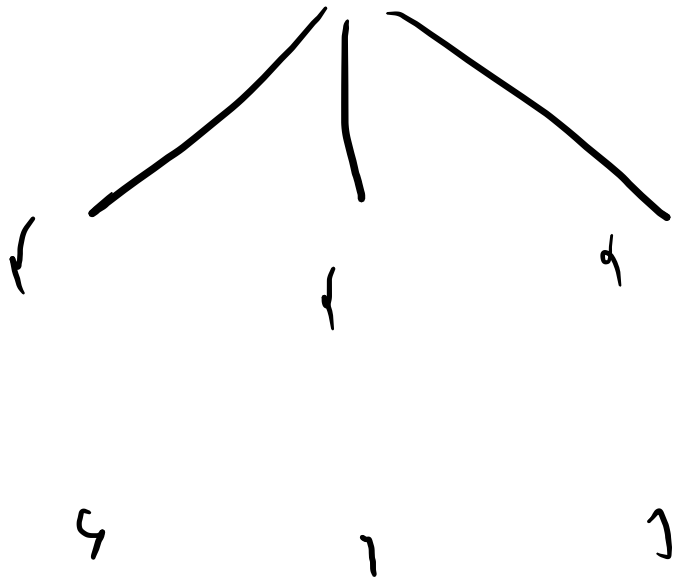
* Abstract class can contain abstract methods or non Abstract method.

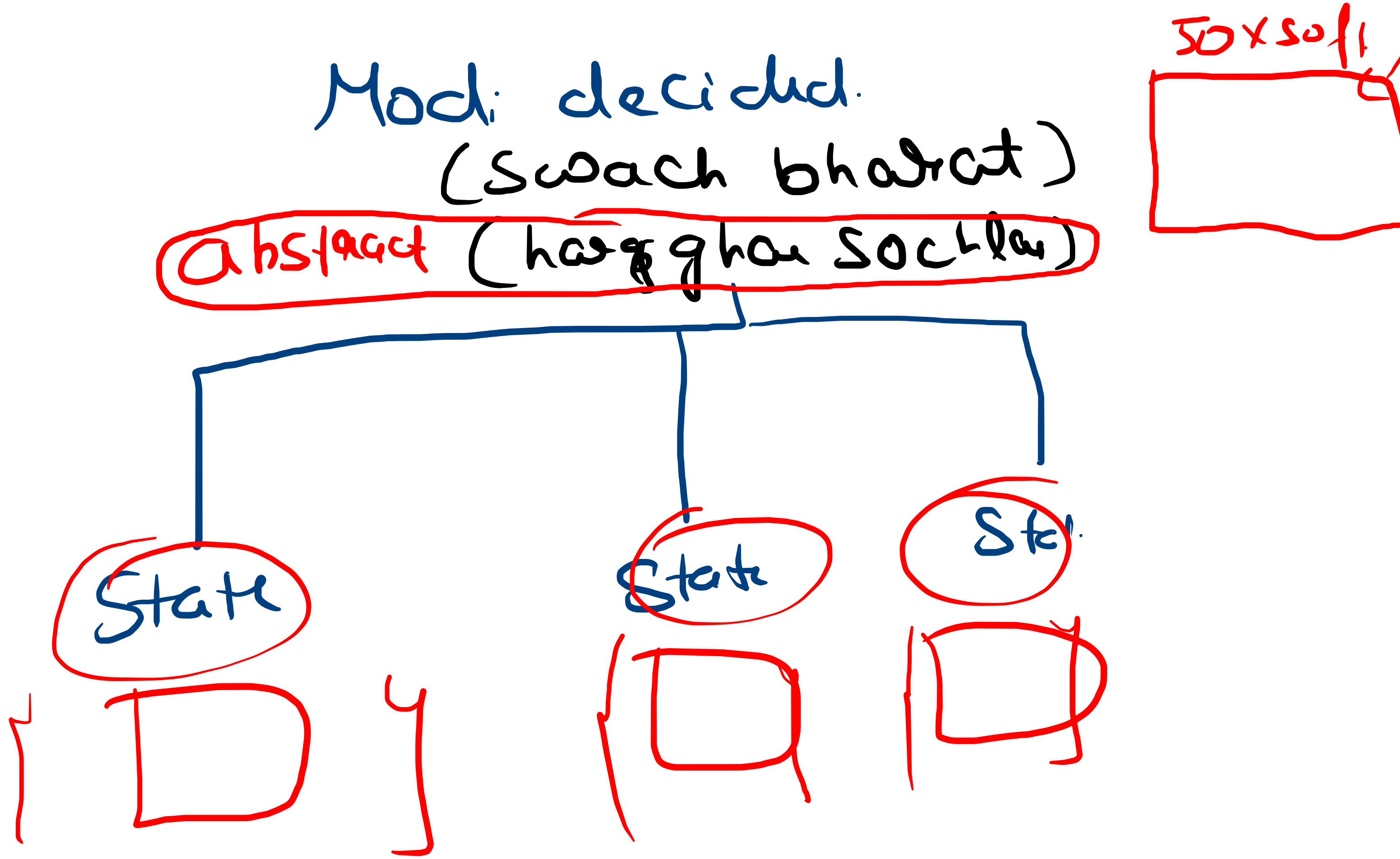

pet
dog
1. give food.
2. walk
3. bathing.


Shot
1. food. _
2. ting -

Abstract class

abstract stand for Mathod()




Modi decided.
(swach bharat)
abstract (harghar sochla)
State
State
Ste
50x50ft

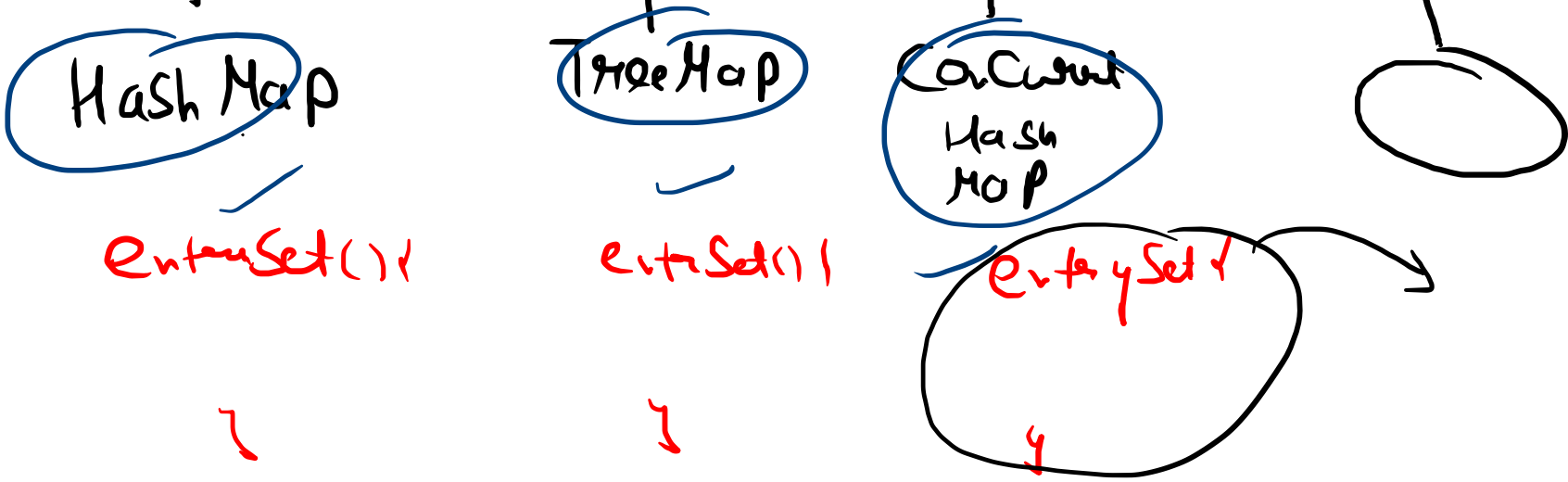
Jav.

(Abstract class)

AbstractMap

get, put, isEmpty, containsKey

abstract Set<> entrySet()



Interface.

School: Teach.

qui'dub.

Q1 a)
b)
c)

Q2 a)
b)

Q3 a)
b)

Q4 a)
b)
c)

Q1 c) 1

Q2 b) 2

Q1 a)

Q4 b)

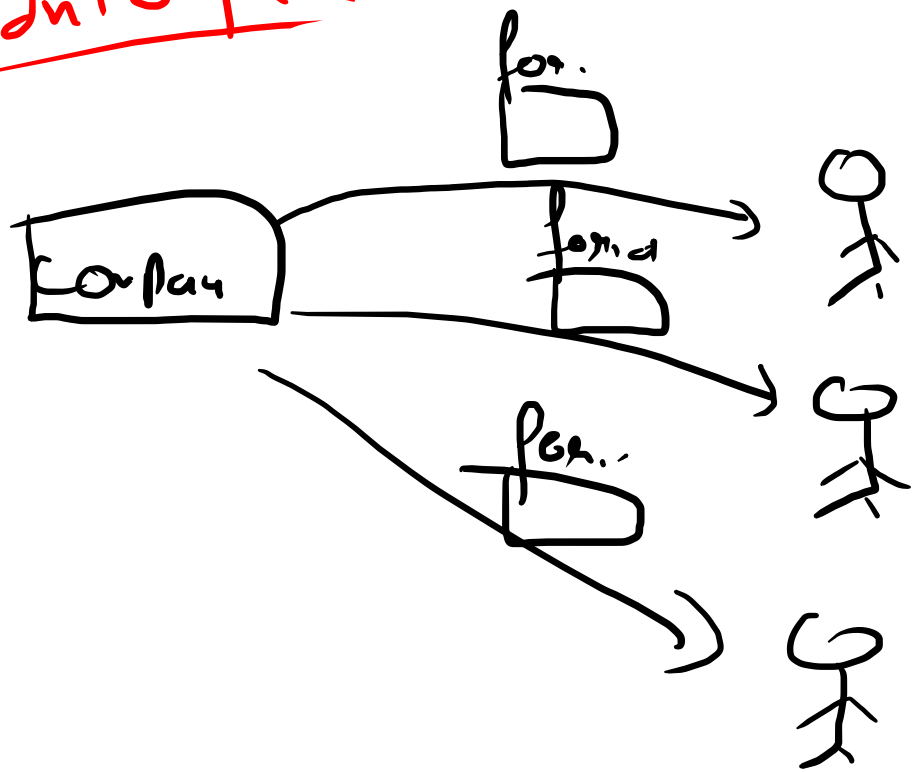
flag break.

Q1 a)
b)
c)

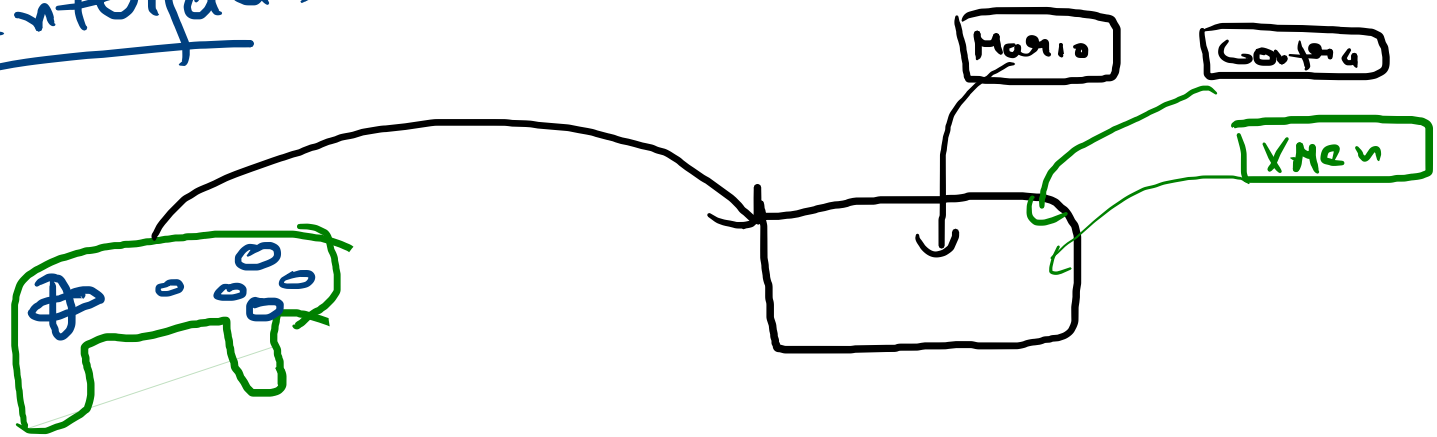
Q2 a)
b)
c)

Q3 a)
b)

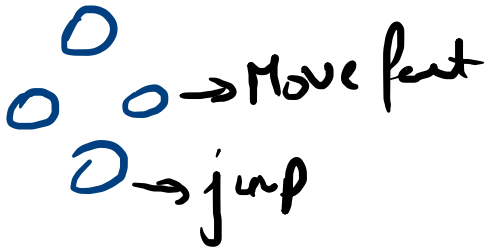
Interface



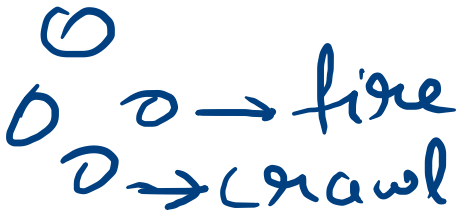
Interface



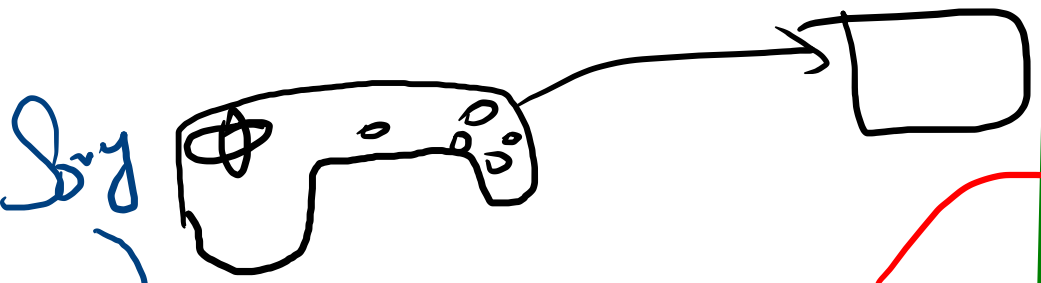
Mario



Contra



Interface



Sony

```
public interface controller {

    public void up();
    public void down();
    public void right();
    public void left();

}
```

Game Component.

```
public class Mario implements controller {

    @Override
    public void up(){
        .
        .
    }

    @Override
    public void down(){
        .
    }

}
```

```
Controller game1 = new Mario();

{
    game1.up();
    game1.down();
    gam1.left();
    ga1.right();
}

Controller game2 = new Contra();

{
    gam1.up();
    gam1.down();
    gm1.left();
    gc1.right();
}
```

new Mario()	new Control()	new SpiderMan()

Controller C =

for i in arr;

C = i

C.up()

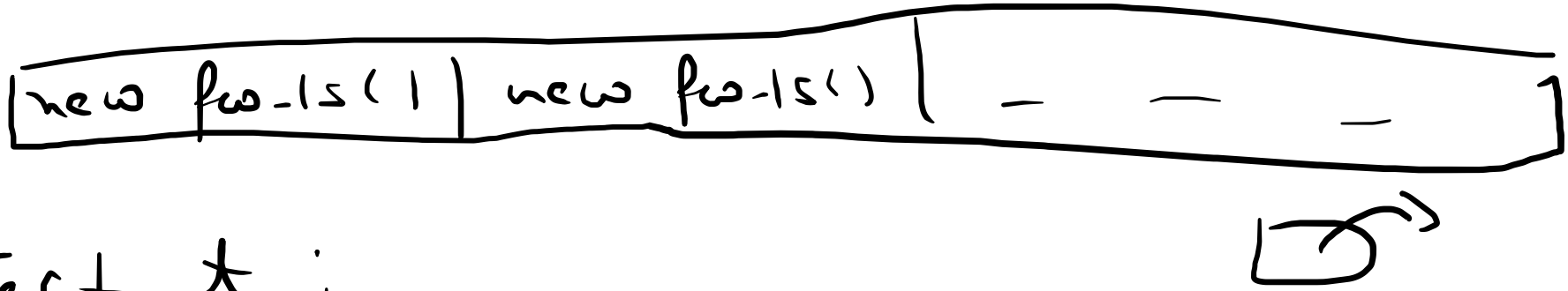
C.down()

C.get()

C.left()


```
Interface Test {
    void binarySearch(arr[], k)
}

class fols_20 implements Test
{
    void binarySearch(arr[], k)
    {
    }
}
```



Test t ;

Foo i in arr ;

t = i ;

output = t . binarySearch ( )

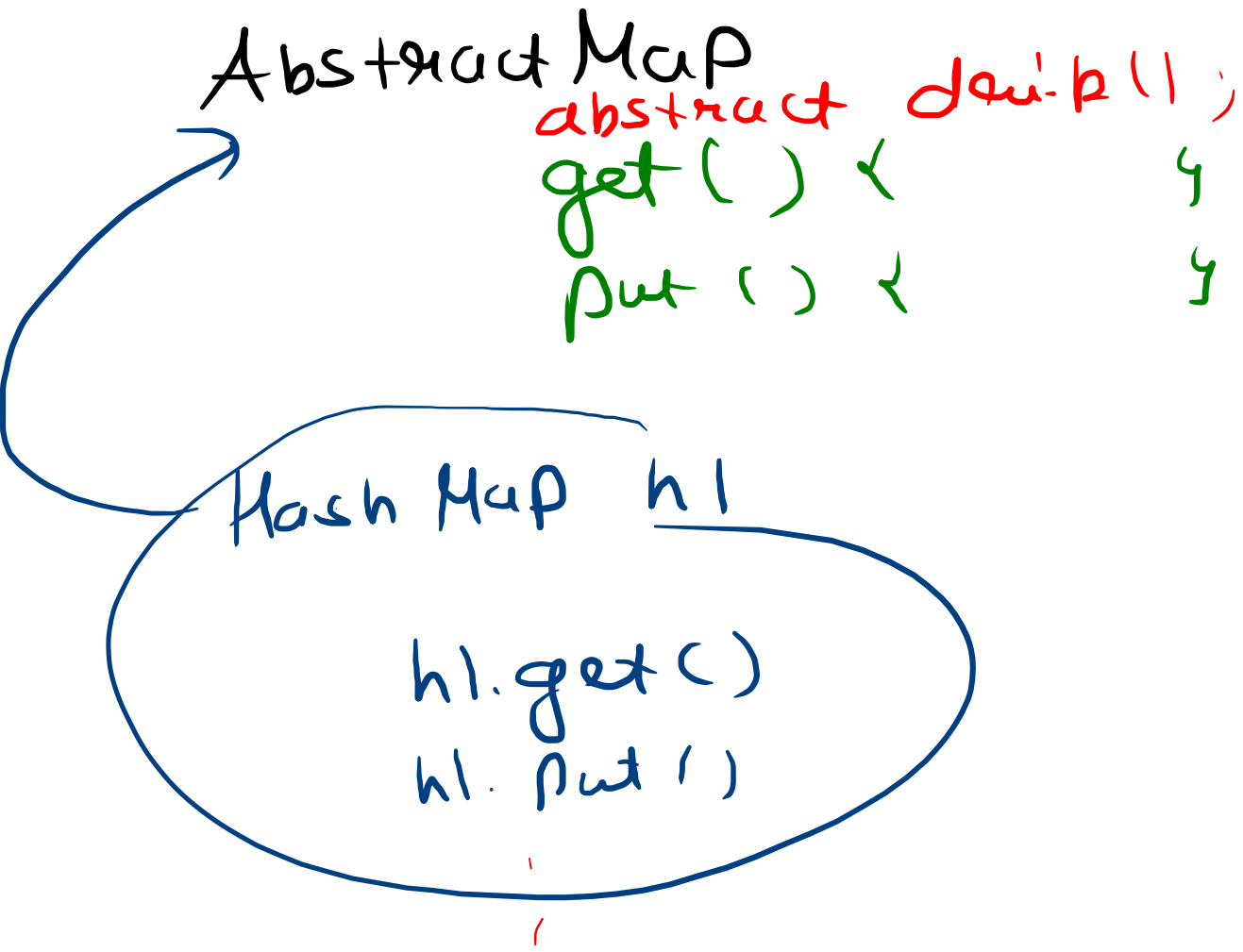
if (output == 4)

print ("Passed") ;

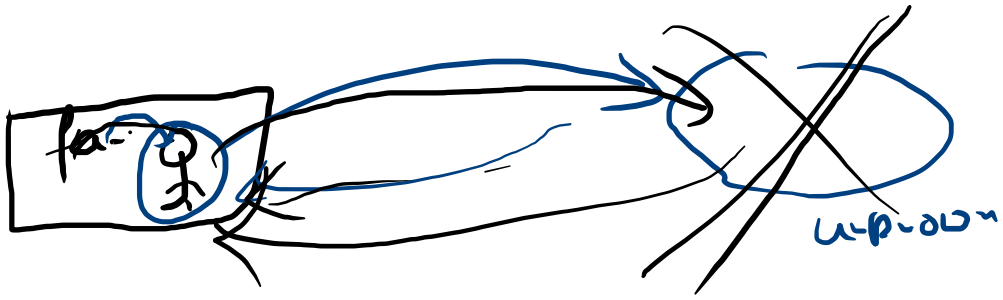
```
Mario m = new Mario();

m.up()
```

Abstract class x not create Insta



Coupling. — How much a class is dependent on other classes.



Coupling

* Measure How much a class is dependent on other class
* There Should be Minimal dependency b/w classes.
* Aim for low coupling

Cohesion

Strong your relation in the form.

how related the responsibilities of class are.

* High Cohesion