DependencyInversion.java ✕   **InterfaceSegregation.java**   **Liskov**
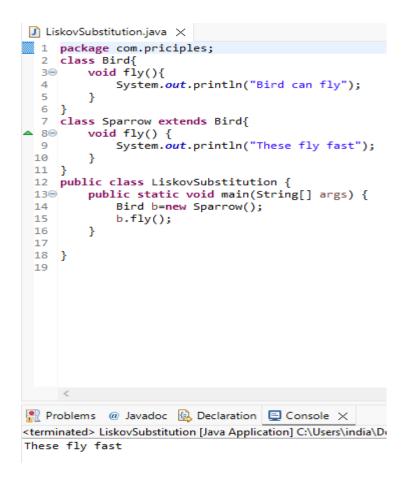
```java
package com.priciples;
interface Message{
    void send(String msg);
}
class Email implements Message {
    public void send(String msg) {
        System.out.println("Email: " + msg);
    }
}
class Notification {
    Message message;
    Notification(Message message ) {
        this.message = message;
    }
    void notifyUser(String msg) {
        message.send(msg);
    }
}
public class DependencyInversion {
    public static void main(String[] args) {
        Notification n = new Notification(new Email());
            n.notifyUser("Siri Matte");

    }

}
```

Problems   @ Javadoc   Declaration   Console ✕

<terminated> DependencyInversion [Java Application] C:\Users\india\Downloads
Email: Siri Matte

LiskovSubstitution.java ✕

```java
package com.priciples;
class Bird{
    void fly(){
        System.out.println("Bird can fly");
    }
}
class Sparrow extends Bird{
    void fly() {
        System.out.println("These fly fast");
    }
}
public class LiskovSubstitution {
    public static void main(String[] args) {
        Bird b=new Sparrow();
        b.fly();
    }

}
```

Problems   @ Javadoc   Declaration   Console ✕

<terminated> LiskovSubstitution [Java Application] C:\Users\india\D:
These fly fast

Single.java

```java
package com.priciples;
class Student{
    String name;

    Student(String name){
        this.name=name;
    }
}

class Print{
    void print(Student s) {
        System.out.println("Name is : "+s.name);
    }
}

public class Single {
public static void main(String[] args) {

        Student s=new Student("Siri");
        Print p=new Print();
        p.print(s);

    }




}
```

Problems @ Javadoc Declaration Console ×

<terminated> Single [Java Application] C:\Users\india\Downloads\sts-4.
```
Name is : Siri
```

OpenClose.java

```java
package com.priciples;
interface PaymentMethod{
    void pay();
}

class credit implements PaymentMethod{
    public void pay() {
        System.out.println("process CreditCard Payment");
    }
}
//this is new feature
class debit implements PaymentMethod{
    public void pay() {
        System.out.println("process DebitCard Payment");
    }
}
class Processor{
    void Process(PaymentMethod paymentMethod) {
        paymentMethod.pay();

    }
}

public class OpenClose {
    public static void main(String[] args) {
        Processor p=new Processor();
        p.Process(new credit());
        p.Process(new debit());
```

Problems @ Javadoc Declaration Console ×

<terminated> OpenClose [Java Application] C:\Users\india\Downloads\sts-4.31.0.RELEASE\plug
```
process CreditCard Payment
process DebitCard Payment
```

```java
package com.priciples;
interface Work{
    void work();
}
interface Eat{
    void eat();
}
class Humans implements Work,Eat{
    public void work() {
        System.out.println("Humans are eating");
    }
    public void eat() {
        System.out.println("Humans are watching");
    }
}
class Animals implements Eat{
    public void eat() {
        System.out.println("Animals are Playing");
    }

}

public class InterfaceSegregation {
    public static void main(String[] args) {
        Humans h=new Humans();
        h.work();
        h.eat();
```

Problems @ Javadoc Declaration Console ✕

<terminated> InterfaceSegregation [Java Application] C:\Users\india\Down

```
Humans are eating
Humans are watching
Animals are Playing
```