

Abstract methods

- ❑ An abstract class can include methods that contain no implementation. These are called abstract methods. The abstract method declaration must then end with a semicolon rather than a block.



Abstract methods

- ❑ If a class has any abstract methods, whether declared or inherited, the entire class must be declared abstract



What is wrong with the code?

```
abstract class Person{  
    ...  
    abstract void show();  
}  
abstract class Student extends Person{  
    ...  
}  
class AbstractExample3{  
    public static void main(String[] args){  
        Student s=new Student();  
    }  
}
```



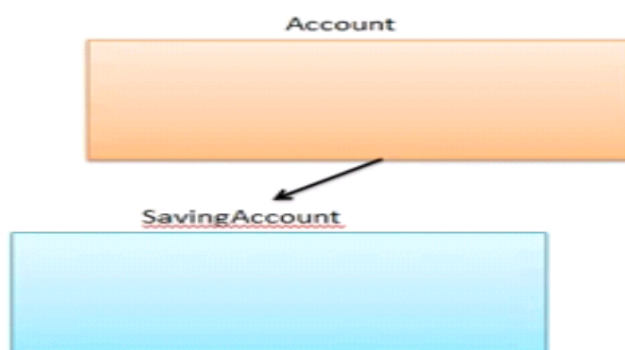
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What is wrong with the code?

```
abstract class Person{  
    abstract void show();  
}  
class Student extends Person{  
    void show()  
    { //some code }  
}  
class AbstractExample3{  
    public static void main(String[] args){  
        Student s=new Student();  
        s.show();  
    }  
}
```



Why abstract methods?



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