

Question: If you create a constructor method to build a DVD by title then create a constructor method to build a DVD by category, does JAVA allow you to do this?

Answer: In this case, Java will not allow you to create the constructor method to build a DVD by category if the constructor method to build a DVD by title is created.

- In Java, we have **method overloading**, which means many methods can have the **same name but different signatures** (different parameters' type and order). For example:

```
public DigitalVideoDisc(String title) {  
    this.title = title;  
}  
  
public DigitalVideoDisc(int category) {  
    this.category = category;  
}
```

Two methods which have the different signatures

- Two constructor methods must have the same name as DigitalVideoDisc. However, both two parameters *title* and *category* are having the same data type "String". Therefore, these two methods will have the same signature. Java does not allow you to create two methods having the same signature.

```
public DigitalVideoDisc(String title) {  
    this.title = title;  
}  
  
public DigitalVideoDisc(String category) {  
    this.category = category;  
}
```

Two methods which have the same signature