

AdapterPattern.java

1 // Target interface

Playing mp3 file. Name: song.mp3  
Playing vlc file. Name: movie.vlc  
Invalid media. avi format not supported

...Program finished with exit code 0  
Press ENTER to exit console.

BuilderPattern.java



input

Choose your drink:

wine

Choose your main course:

pasta

Choose your side:

bread

Meal constructed: Meal [drink=wine, mainCourse=pasta, side=bread]

...Program finished with exit code 0

Press ENTER to exit console.

ChainOfResponsib... ⋮



```
Level 1 Support handling request 1.  
Skipping request 2 at Level 1 Support.  
Level 2 Support handling request 2.  
Skipping request 3 at Level 1 Support.  
Skipping request 3 at Level 2 Support.  
Level 3 Support handling request 3.
```

```
...Program finished with exit code 0  
Press ENTER to exit console.█
```

FacadePattern.java :



input

```
Get ready to watch a movie...
Projector is on
Setting projector input to: DVD
Amplifier is on
Setting volume to: 10
DVD Player is on
Playing movie: Inception
Shutting down the home theater...
Stopping the DVD
DVD Player is off
Amplifier is off
Projector is off
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```

FactoryPattern.java



inp

Welcome to the Restaurant! What would you like to order?

1. Pasta

2. Pizza

Enter your choice (1 for Pasta, 2 for Pizza): 2

order taken

Preparing Pizza

...Program finished with exit code 0

Press ENTER to exit console.



MementoPattern.java ⋮



```
Current Text Content: Hello, Memento Pattern!  
Text Content After Undo: Hello, World!
```

```
...Program finished with exit code 0  
Press ENTER to exit console. 
```

ObserverPattern.java



input

```
Subscriber 1 received news: New article published!  
Subscriber 2 received news: New article published!
```

```
...Program finished with exit code 0  
Press ENTER to exit console.
```

ProxyPattern.java :

realPaymentGateway.processPayment(amt)



```
Processing payment of $100.0  
Access denied. Invalid credentials.
```

```
...Program finished with exit code 0  
Press ENTER to exit console.
```



SingletonPattern.java :



```
OrderManager instance created.  
orderManager1 hashCode: 992136656  
orderManager2 hashCode: 992136656  
Placing order for 2 Pizza  
Canceling order with ID: 1001
```

```
...Program finished with exit code 0  
Press ENTER to exit console.
```