```
public interface IDocumentState {
    void promote(Document document);
    void print();
public class Document {
    private IDocumentState state;
    public IDocumentState getState() {
        return state;
    public void setState(IDocumentState state) {
        this.state = state;
    public void promote() {
        state.promote(this);
    public String toString() {
        return "{ Document : state = " + state + " }";
}
public class Approved implements IDocumentState {
    public void promote(Document document) {
        System.out.println("approved document");
    public void print() {
        {\tt System.} \textit{out.} {\tt println} (\textit{"---} {\tt printing document based on business}
                            rules for status approved");
    }
    public String toString() {
        return "Approved";
    }
}
public class Draft implements IDocumentState {
    public void promote(Document document) {
        System.out.println("promoting draft -> verified");
        document.setState(new Verified());
    public void print() {
        System.out.println("--- printing document based on business
                            rules for status draft");
    public String toString() {
        return "Draft";
}
```

```
public class Verified implements IDocumentState {
    public void promote(Document document) {
        System.out.println("promoting verified -> approved");
        document.setState(new Approved());
    public void print() {
        System.out.println("--- printing document based on business
                           rules for status verified");
    public String toString() {
       return "Verified";
}
public class Application {
    public static void main(String... args) {
        Document document = new Document();
        document.setState(new Draft());
        System.out.println(document);
        System.out.println();
        document.promote();
        System.out.println(document);
        System.out.println();
        document.promote();
        System.out.println(document);
    }
}
```