

```
/*  
 * To change this license header, choose License Headers in Project Properties.  
 * To change this template file, choose Tools | Templates  
 * and open the template in the editor.  
 */  
  
package gof.FA23MidTerm;
```

```
/**  
 *  
 * @author fa20-bse-052  
 */
```

```
  
public class ForiegnViewers extends ViewersOfMatch{  
  
    public ForiegnViewers(Subscriber subscriber){  
        this.subject = subject;  
        this.subject.attach(this);  
    }  
  
    @Override  
    public void update() {  
        System.out.println( "Binary String: " + Integer.toBinaryString( subject.getState() ) );  
    }  
}
```

```

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 */
package gof.FA23MidTerm;

/**
 *
 * @author fa20-bse-052
 */
public class CountryViewers {
    public ForiegnViewers(Subscriber subscriber){
        this.subscriber = subscriber;
        this.subscriber.attach(this);
    }

    @Override
    public void update() {
        System.out.println( "Binary String: " + Integer.toBinaryString( subject.getState() ) );
    }
}

/*

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\*/

```
package gof.FA23MidTerm;
```

```
import javax.security.auth.Subject;
```

```
/**
```

```
 *
```

```
 * @author fa20-bse-052
```

```
 */
```

```
public class RequestForMatch {
```

```
    public static void main(String[] args) {
```

```
        Subscriber subscriber = new Subscriber();
```

```
//    new CountryViewers(subject);
```

```
        new ForeignViewers(subscriber);
```

```
        System.out.println("First state change: 15");
```

```
        subscriber.setState(15);
```

```
        System.out.println("Second state change: 10");
```

```
        subscriber.setState(10);
```

```
    }
```

```
}
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package gof.FA23MidTerm;
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```
/**  
 *  
 * @author fa20-bse-052  
 // */  
//public class Subscriber {  
//  
//}
```

```
import java.util.ArrayList;  
import java.util.List;
```

```
public class Subscriber {  
  
    private List<ViewersOfMatch> observers = new ArrayList<ViewersOfMatch>();  
    private int state;  
  
    public int getState() {  
        return state;  
    }  
}
```

```
}
```

```
public void setState(int state) {  
    this.state = state;  
    notifyAllObservers();  
}
```

```
public void attach(ViewersOfMatch observer){  
    observers.add(observer);  
}
```

```
public void notifyAllObservers(){  
    for (ViewersOfMatch observer : observers) {  
        observer.update();  
    }  
}  
}
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```
package gof.FA23MidTerm;
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```
import javax.security.auth.Subject;
```

```
/**
```

```
*
```

```
* @author fa20-bse-052
```

```
*/
```

```
public abstract class ViewersOfMatch {
```

```
    protected Subject subject;
```

```
    public abstract void update();
```

```
}
```