

```
package printevenodddnumbers;
```

```
import java.util.*;
```

```
public class Printevenodddnumbers {
```

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

```
        String s= new String("");
```

```
        EvenThread t1=new EvenThread(s);
```

```
        OddThread t2=new OddThread(s);
```

```
        Thread th1=new Thread(t1);
```

```
        Thread th2=new Thread(t2);
```

```
        th1.start();
```

```
        th2.start();
```

```
    }
```

```
}
```

```
class EvenThread implements Runnable{
```

```
    String s;
```

```
    EvenThread(String s){
```

```
        this.s=s;
```

```
    }
```

```
    public void run(){
```

```
        synchronized(s){
```

```
for(int i=1;i<=10;i++){  
    if(i%2==0){  
        try{  
            Thread.sleep(50);  
  
        }catch(InterruptedException e){  
            e.printStackTrace();  
        }  
        System.out.println(i);  
  
        s.notify();  
    }  
    try{  
        s.wait();  
    }catch(InterruptedException e){  
        e.printStackTrace();  
    }  
}  
}  
}  
  
class OddThread implements Runnable{  
    String s;  
    OddThread(String s){  
        this.s=s;
```

```
}

public void run(){
    synchronized(s){
        for(int i=1;i<=10;i++){
            if(i%2==1){
                try{
                    Thread.sleep(50);

                }catch(InterruptedException e){
                    e.printStackTrace();
                }
                System.out.println(i);

                s.notify();
            }
            try{
                s.wait();
            }catch(InterruptedException e){
                e.printStackTrace();
            }
        }
    }
}
```