

**Lab Goal :** This lab was designed to teach you more about designing and writing classes. Use the same runner code below and associated comments to create a CookieJar class.

**Lab Description :** Write a CookieJar class that will be set to a capacity and tracks how much stuff the CookieJar is storing.

### Sample Runner Code :

```
CookieJar c = new CookieJar( 3000 );           //sets capacity to 300
System.out.println( c.isFull( ) );             //cookiejar is not full
c.addStuff( 500 );                             //add 500 items

System.out.println( c.isFull( ) );             //cookiejar is not full
System.out.println( c.addStuff( 2000 ) );       //add 2000 items

System.out.println( c.spaceLeft( ) );          //space left is 500
System.out.println( c.isFull( ) );             //cookiejar is not full

System.out.println( c.addStuff( 2000 ) );       //attempt to add 2000
                                                //adds 500 and returns 1500
                                                //1500 was amount left
                                                //that could not be added

System.out.println( c.spaceLeft( ) );          //no space left - returns 0
System.out.println( c.isFull( ) );             //returns true
```

### Sample Output :

```
false
false
0
500
false
1500
0
true
```

#### Files Needed ::

```
CookieJar.java
CookieJarRunner.java
```