Exercise 2.3

```
/*
Saket Bakshi
Period 6
9/23/18
This program will declare and initialize variables for holding the price and description of an
article that is available for sale.
*/
public class PracticeExercisesCh2E3
{
        public static void main(String[] args)
        {
                double articlePrice = 6.50;
                String articleDescription = "Potatoes";
        }
}
```

```
PS C:\Users\saket\JAVA\ChapterAssignments\PracticeExercisesCh2> javac .\PracticeExercisesCh2E3.java
PS C:\Users\saket\JAVA\ChapterAssignments\PracticeExercisesCh2> java PracticeExercisesCh2E3
PS C:\Users\saket\JAVA\ChapterAssignments\PracticeExercisesCh2>
```

Exercise 2.4

```
/*
Saket Bakshi
Period 6
9/23/18
This program tells the value of mystery in the following code
*/
public class PracticeExercisesCh2E4
{
        public static void main(String[] args)
        {
                int mystery = 1;
                mystery = 1 - 2 * mystery; //subtracts twice the original value of mystery
from mystery
                mystery = mystery + 1;
                System.out.println(mystery); //The value of mystery is 0
        }
}
```

```
PS C:\Users\saket\JAVA\ChapterAssignments\PracticeExercisesCh2> javac .\PracticeExercisesCh2E4.java
PS C:\Users\saket\JAVA\ChapterAssignments\PracticeExercisesCh2> java PracticeExercisesCh2E4
0
PS C:\Users\saket\JAVA\ChapterAssignments\PracticeExercisesCh2>
```

Exercise 2.14
/*
Saket Bakshi
Period 6
9/23/18
This program declares and initializes a square an then replaces it with a different rectangle.
*/
import java.awt.Rectangle;

public class PracticeExercisesCh2E14
{
        public static void main(String[] args)
        {
                Rectangle square = new Rectangle(10, 20, 40, 40);
                System.out.println(square);
                square.setBounds(20, 20, 40, 40);
                System.out.println(square);
        }
}

```
PS C:\Users\saket\JAVA\ChapterAssignments\PracticeExercisesCh2> javac .\PracticeExercisesCh2E14.java
PS C:\Users\saket\JAVA\ChapterAssignments\PracticeExercisesCh2> java PracticeExercisesCh2E14
java.awt.Rectangle[x=10,y=20,width=40,height=40]
java.awt.Rectangle[x=20,y=20,width=40,height=40]
PS C:\Users\saket\JAVA\ChapterAssignments\PracticeExercisesCh2>
```

Project 2.1
/*
Saket Bakshi
Period 6
9/23/18
This program prints 4 connected rectangles.
*/
import java.awt.Rectangle;

public class PracticeExercisesCh2P1
{
        public static void main(String[] args)
        {
                Rectangle box = new Rectangle(0, 0, 10, 20);
                System.out.println(box);
                box.translate(10,0);
                System.out.println(box);
                box.translate(0,20);
                System.out.println(box);

```
        box.translate(-10,0);
        System.out.println(box);
    }
}
```

```
PS C:\Users\saket\JAVA\ChapterAssignments\C2EXBakshiSaket> javac .\PracticeExercisesCh2P1.java
PS C:\Users\saket\JAVA\ChapterAssignments\C2EXBakshiSaket> java PracticeExercisesCh2P1
java.awt.Rectangle[x=0,y=0,width=10,height=20]
java.awt.Rectangle[x=10,y=0,width=10,height=20]
java.awt.Rectangle[x=10,y=20,width=10,height=20]
java.awt.Rectangle[x=0,y=20,width=10,height=20]
PS C:\Users\saket\JAVA\ChapterAssignments\C2EXBakshiSaket>
```