

Graham Pomfret

March 3, 2019

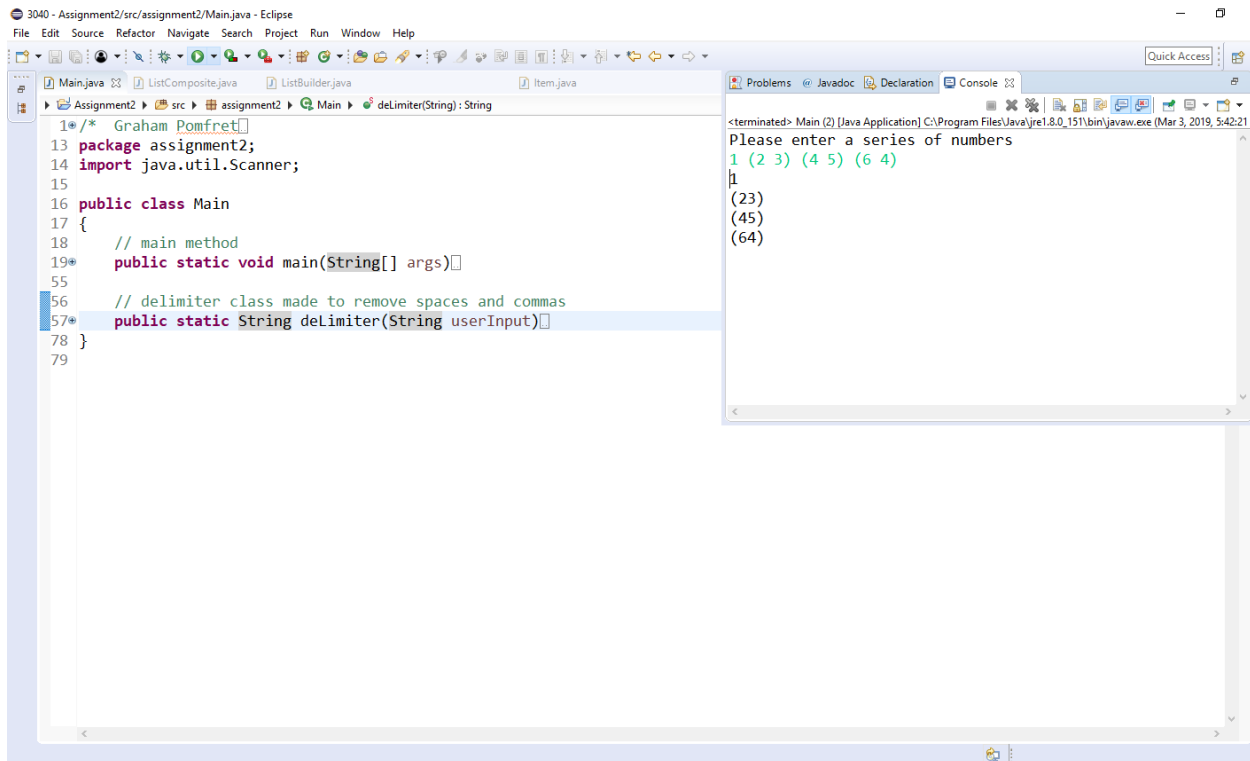
0595995

COIS 3040

Assignment 2 Testing Documentation;

# Question 1

Question 1: using the example numbers provided.



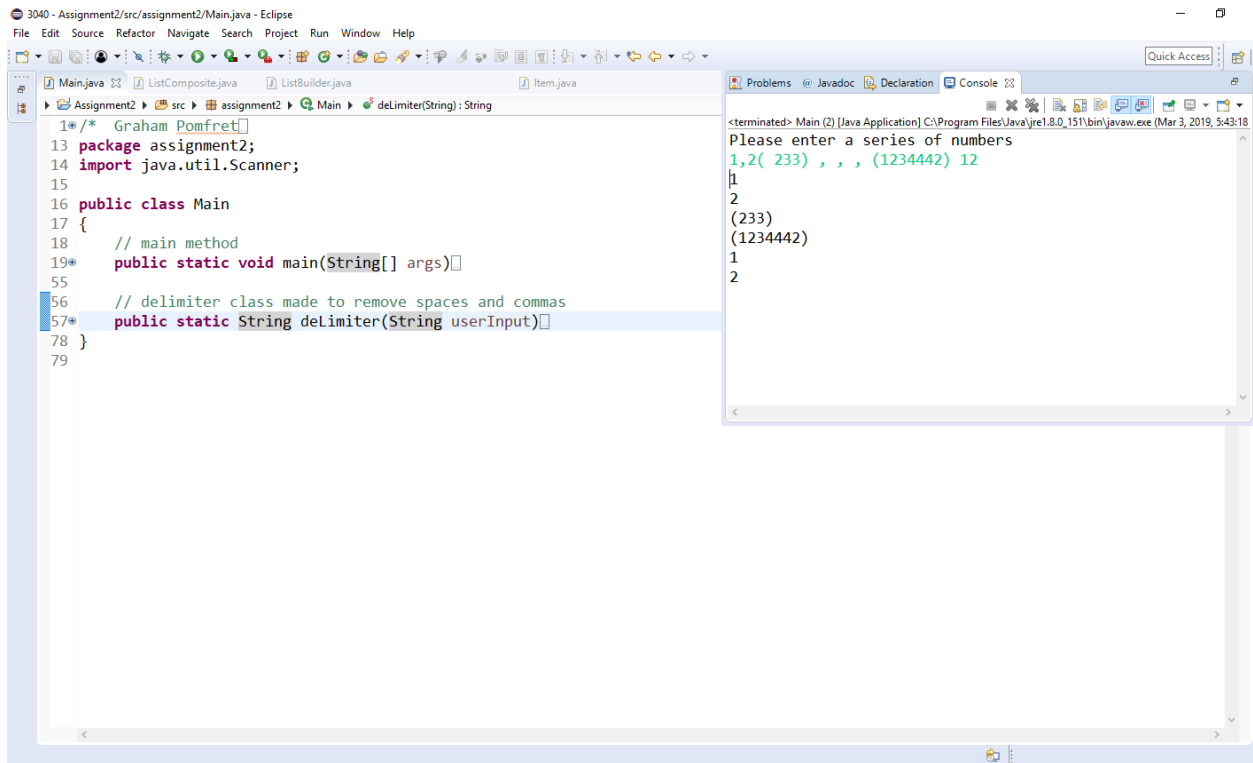
The screenshot shows the Eclipse IDE interface. The main editor displays a Java file named `Main.java` with the following code:

```
1/* Graham Pomfret
13 package assignment2;
14 import java.util.Scanner;
15
16 public class Main
17 {
18     // main method
19     public static void main(String[] args)
20     {
21         // delimiter class made to remove spaces and commas
22         public static String delimiter(String userInput)
23     }
24 }
```

The console window on the right shows the program's execution:

```
<terminated> Main (2) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Mar 3, 2019, 5:42:21)
Please enter a series of numbers
1 (2 3) (4 5) (6 4)
1
(23)
(45)
(64)
```

## Question 1: using a list of numbers with spaces and commas



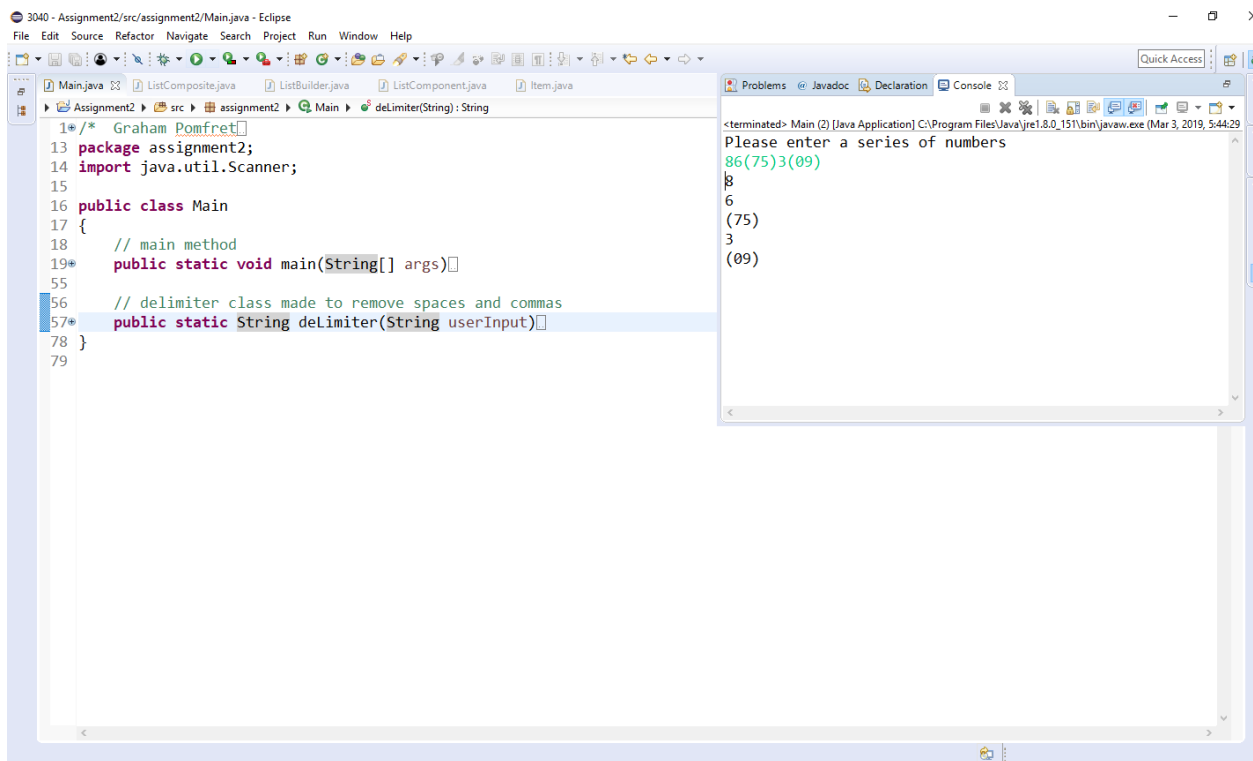
The screenshot shows the Eclipse IDE with a Java project named 'Assignment2'. The 'Main.java' file is open, showing the following code:

```
1/* /* Graham Pomfret
13 package assignment2;
14 import java.util.Scanner;
15
16 public class Main
17 {
18     // main method
19     public static void main(String[] args)
20     {
21         // delimiter class made to remove spaces and commas
22         public static String delimiter(String userInput)
23     }
24 }
```

The console output shows the program execution:

```
<terminated> Main (2) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Mar 3, 2019, 5:43:18)
Please enter a series of numbers
1,2( 233) , , , (1234442) 12
1
2
(233)
(1234442)
1
2
```

## Question 1: another example testing that it works



The screenshot shows the Eclipse IDE with the same Java project 'Assignment2'. The 'Main.java' file is open, showing the same code as in the previous screenshot:

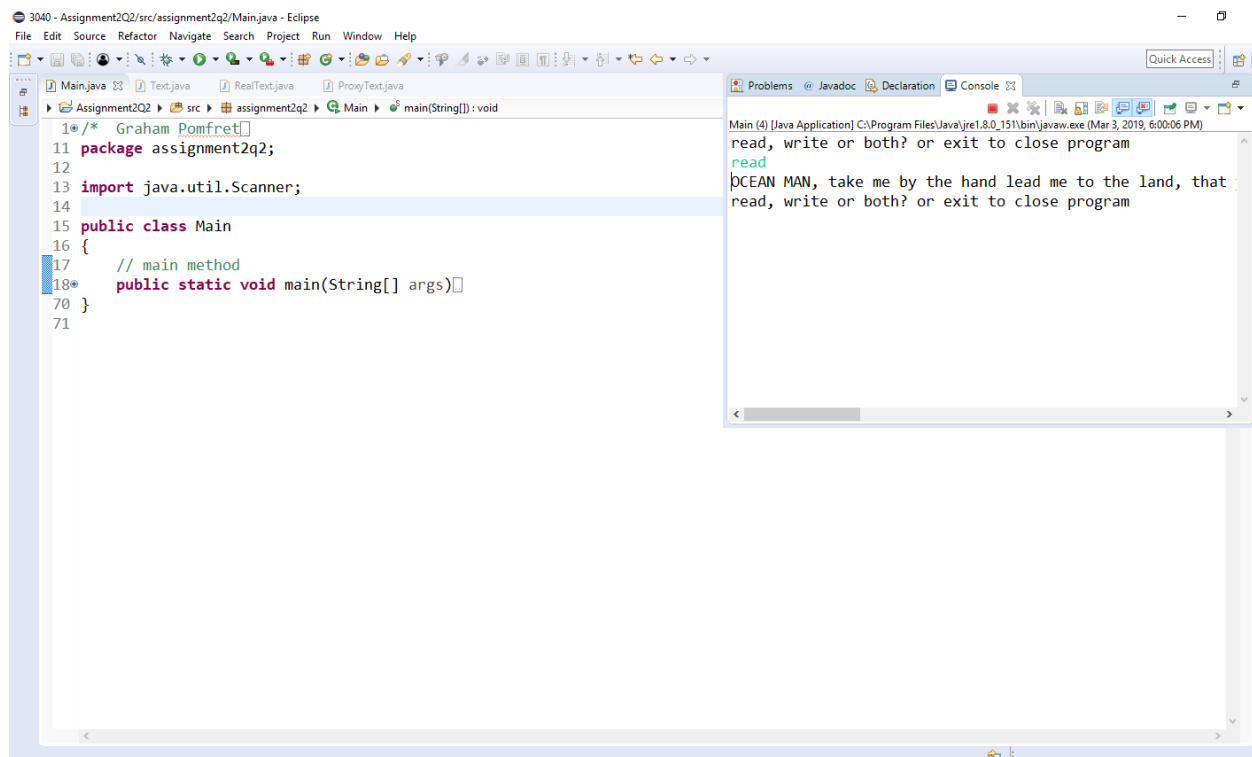
```
1/* /* Graham Pomfret
13 package assignment2;
14 import java.util.Scanner;
15
16 public class Main
17 {
18     // main method
19     public static void main(String[] args)
20     {
21         // delimiter class made to remove spaces and commas
22         public static String delimiter(String userInput)
23     }
24 }
```

The console output shows the program execution:

```
<terminated> Main (2) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Mar 3, 2019, 5:44:29)
Please enter a series of numbers
86(75)3(09)
8
6
(75)
3
(09)
```

# Question 2

## Question 2: reading the default value of RealText



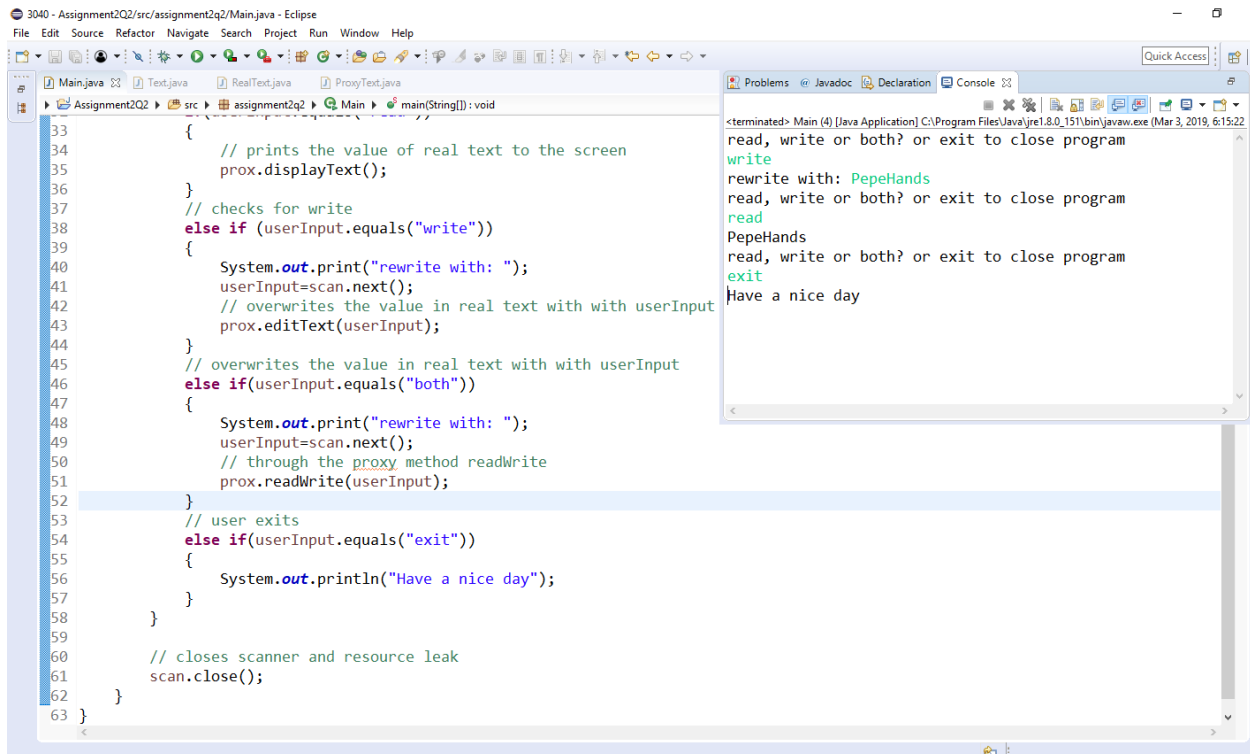
The screenshot shows the Eclipse IDE interface. The main editor displays a Java file named `Main.java` with the following code:

```
1 /* Graham Pomfret
11 package assignment2q2;
12
13 import java.util.Scanner;
14
15 public class Main
16 {
17     // main method
18     public static void main(String[] args)
19 }
20
21
```

The console window on the right shows the output of the program:

```
Main (4) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Mar 3, 2019, 6:00:06 PM)
read, write or both? or exit to close program
read
OCEAN MAN, take me by the hand lead me to the land, that
read, write or both? or exit to close program
```

## Question 2: writing and then separately read operation

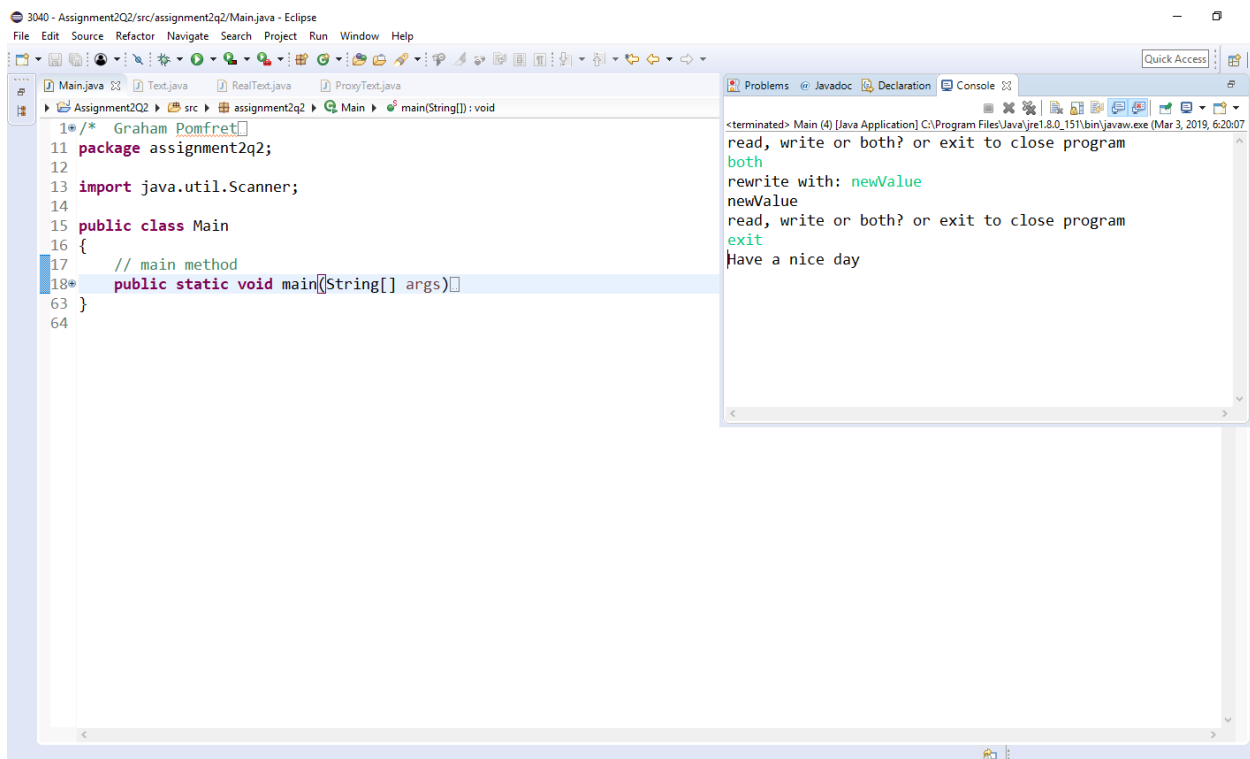


```
33     {
34         // prints the value of real text to the screen
35         prox.displayText();
36     }
37     // checks for write
38     else if (userInput.equals("write"))
39     {
40         System.out.print("rewrite with: ");
41         userInput=scan.next();
42         // overwrites the value in real text with with userInput
43         prox.editText(userInput);
44     }
45     // overwrites the value in real text with with userInput
46     else if (userInput.equals("both"))
47     {
48         System.out.print("rewrite with: ");
49         userInput=scan.next();
50         // through the proxy method readWrite
51         prox.readWrite(userInput);
52     }
53     // user exits
54     else if (userInput.equals("exit"))
55     {
56         System.out.println("Have a nice day");
57     }
58 }
59
60 // closes scanner and resource leak
61 scan.close();
62 }
63 }
```

Console Output:

```
<terminated> Main (4) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Mar 3, 2019, 6:15:22)
read, write or both? or exit to close program
write
rewrite with: PepeHands
read
PepeHands
read, write or both? or exit to close program
exit
Have a nice day
```

## Question 2: reading and writing in the same operation



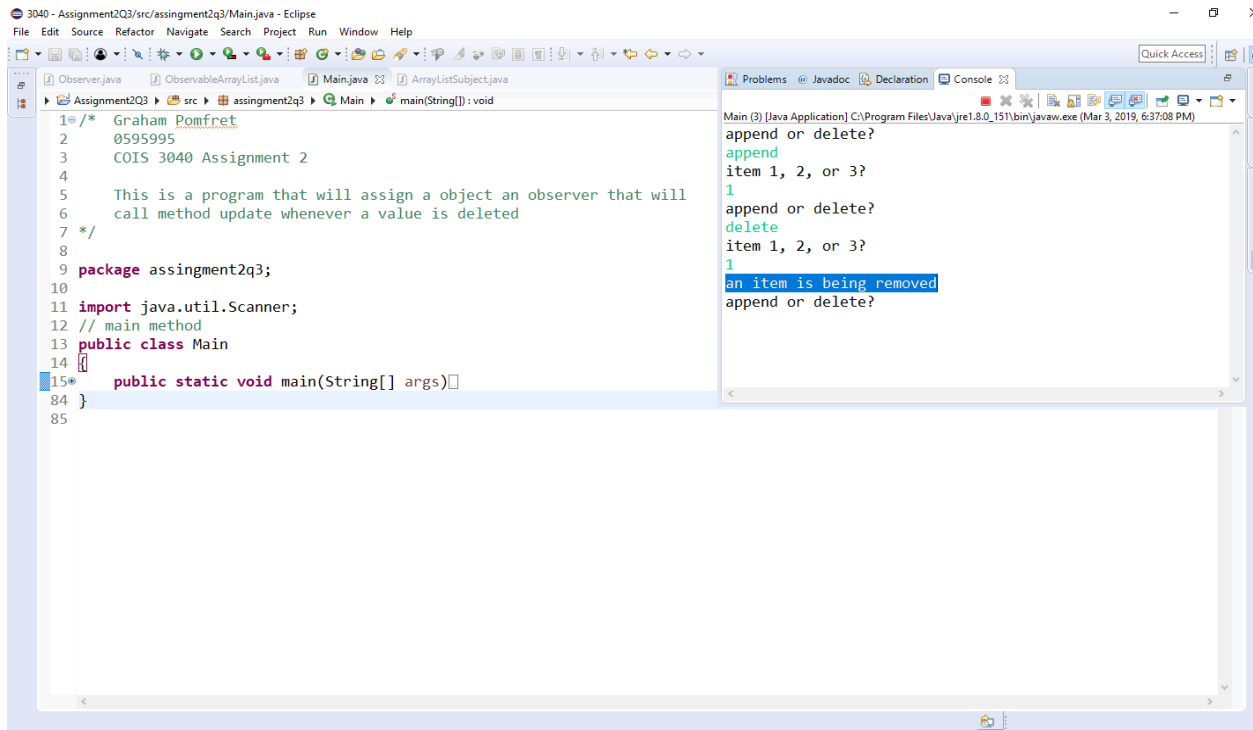
```
1 /* Graham Pomfret
11 package assignment2q2;
12
13 import java.util.Scanner;
14
15 public class Main
16 {
17     // main method
18     public static void main(String[] args)
19     {
20     }
21 }
```

Console Output:

```
<terminated> Main (4) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Mar 3, 2019, 6:20:07)
read, write or both? or exit to close program
both
rewrite with: newValue
newValue
read, write or both? or exit to close program
exit
Have a nice day
```

# Question 3

## Question 3: deleting an item



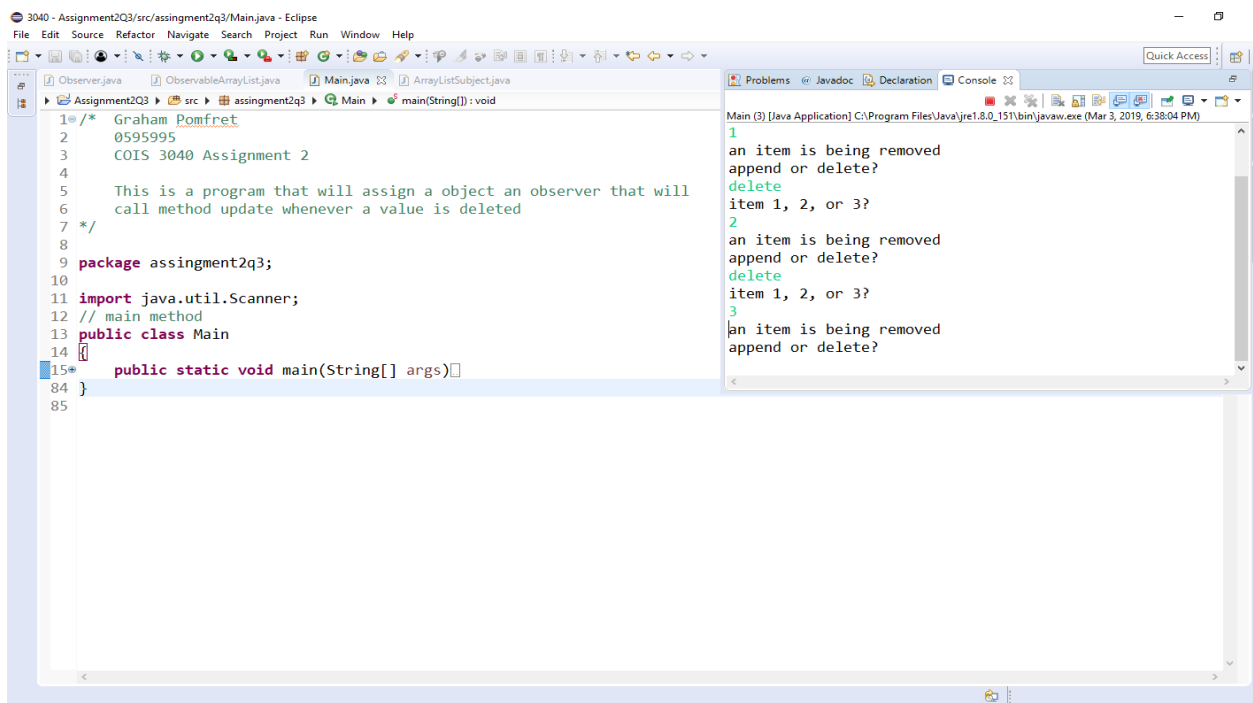
The screenshot shows the Eclipse IDE with the file `3040 - Assignment2Q3/src/assignment2q3/Main.java` open. The code in `Main.java` is as follows:

```
1 /* Graham Pomfret
2    0595995
3    COIS 3040 Assignment 2
4
5    This is a program that will assign a object an observer that will
6    call method update whenever a value is deleted
7 */
8
9 package assignment2q3;
10
11 import java.util.Scanner;
12 // main method
13 public class Main
14 {
15     public static void main(String[] args)
16 }
17 }
```

The Console window on the right shows the following output:

```
Main (3) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Mar 3, 2019, 6:37:08 PM)
append or delete?
append
item 1, 2, or 3?
1
append or delete?
delete
item 1, 2, or 3?
1
an item is being removed
append or delete?
```

## Question 3 deleting a bunch of things



The screenshot shows the Eclipse IDE with the file `3040 - Assignment2Q3/src/assignment2q3/Main.java` open. The code in `Main.java` is as follows:

```
1 /* Graham Pomfret
2    0595995
3    COIS 3040 Assignment 2
4
5    This is a program that will assign a object an observer that will
6    call method update whenever a value is deleted
7 */
8
9 package assignment2q3;
10
11 import java.util.Scanner;
12 // main method
13 public class Main
14 {
15     public static void main(String[] args)
16 }
17 }
```

The Console window on the right shows the following output:

```
Main (3) [Java Application] C:\Program Files\Java\jre1.8.0_151\bin\javaw.exe (Mar 3, 2019, 6:38:04 PM)
1
an item is being removed
append or delete?
delete
item 1, 2, or 3?
2
an item is being removed
append or delete?
delete
item 1, 2, or 3?
3
an item is being removed
append or delete?
```

