Programming Project 0
Posting ID: 5439-820

Contents

Pledge

I pledge that this submission is entirely my own work. I have not attempted to find other solutions to the same problem, and I have not looked at or shown my code or write-up to any person other than the grader, tutors, or instructor. I understand that I may discuss ideas with others but I may not share code. I understand that, should I accidentally violate any of these conditions I must inform the grader and instructor immediately before submitting my work. I understand that if I am unable to explain aspects of my code to a grader when I am asked, then it will be considered cheating, and I will receive a grade of EX (failure due to a breach of academic integrity) in the course.

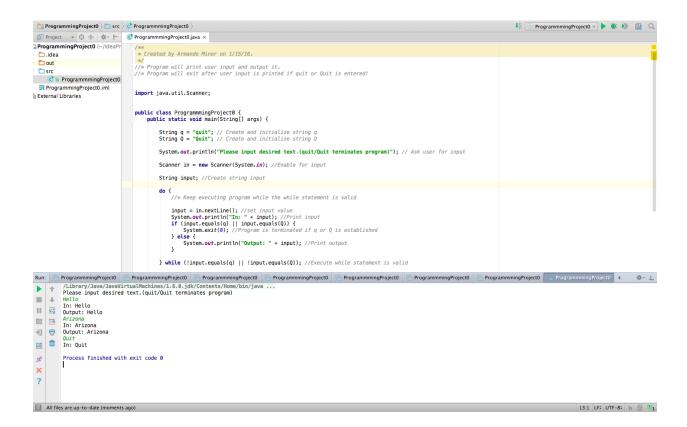**Signed**: [Armando Minor] [01-15-16]

Reflection

        Beginning my project one of the first things I did was understand the desired outcome. I took into consideration what would be the best approach for myself tackling this project. My best approach was to take the whole project and divide it into pieces to make the workload easier. This approach helped me compile the desired outcome with less effort and less errors, although i did have a few. I ran a few tests during and after my project was completed to ensure the desired result was achieved. Once everything that was asked for was completed I submitted my work.

Source Code

```
1 /**
2  * Created by Armando Minor on 1/15/16.
3  */
4 //* Program will print user input and output it.
5 //* Program will exit after user input is printed if quit or Qu
    it is entered!
6
7
8 import java.util.Scanner;
9
10
11   public class ProgrammmingProject0 {
```

```java
12          public static void main(String[] args) {
13
14              String q = "quit"; // Create and initialize string
    q
15              String Q = "Quit"; // Create and initialize string
    Q
16
17              System.out.println("Please input desired text.(quit
    /Quit terminates program)"); // Ask user for input
18
19              Scanner in = new Scanner(System.in); //Enable for i
    nput
20
21              String input; //Create string input
22
23              do {
24                  //* Keep executing program while the while stat
    ement is valid
25
26                  input = in.nextLine(); //set input value
27                  System.out.println("In: " + input); //Print inp
    ut
28                  if (input.equals(q) || input.equals(Q)) {
29                      System.exit(0); //Program is terminated if
    q or Q is established
30                  } else {
31                      System.out.println("Output: " + input); //P
    rint output
32                  }
33
34              } while (!input.equals(q) || !input.equals(Q)); //E
    xecute while statement is valid
35
36
37
38
39
40
41      }
42  }
```

.

Compilation Output

```java
/**
 * Created by Armando Minor on 1/15/16.
 */
//* Program will print user input and output it.
//* Program will exit after user input is printed if quit or Quit is entered!


import java.util.Scanner;


public class ProgrammingProject0 {
    public static void main(String[] args) {

        String q = "quit"; // Create and initialize string q
        String Q = "Quit"; // Create and initialize string Q

        System.out.println("Please input desired text.(quit/Quit terminates program)"); // Ask user for input

        Scanner in = new Scanner(System.in); //Enable for input

        String input; //Create string input

        do {
            //* Keep executing program while the while statement is valid

            input = in.nextLine(); //set input value
            System.out.println("In: " + input); //Print input
            if (input.equals(q) || input.equals(Q)) {
                System.exit(0); //Program is terminated if q or Q is established
            } else {
                System.out.println("Output: " + input); //Print output
            }

        } while (!input.equals(q) || !input.equals(Q)); //Execute while statement is valid
```

```
/Library/Java/JavaVirtualMachines/1.6.0.jdk/Contents/Home/bin/java ...
Please input desired text.(quit/Quit terminates program)
Hello
In: Hello
Output: Hello
Arizona
In: Arizona
Output: Arizona
Quit
In: Quit

Process finished with exit code 0
```

Testing Strategy

My testing strategy for this assignment was too establish a running program first and then fill in the details. The first goal was to obtain code that was working before I added the details and remarks to the code. I ran tests when I first thought the test was complete to encounter errors, once the problems arose I began to fix each one independently. Taking into consideration that by fixing one problem might cause another one to occur. Soon after all errors were fixed and code was running with no errors I began to add the details.

```java
//* Program will exit after user input is printed if quit or Quit is entered!


import java.util.Scanner;

public class ProgrammmingProject0 {
    public static void main(String[] args) {

        String q = "quit"; // Create and initialize string q
        String Q = "Quit"; // Create and initialize string Q

        System.out.println("Please input desired text.(quit/Quit terminates program)"); // Ask user for input

        Scanner in = new Scanner(System.in); //Enable for input

        String input; //Create string input

        do {
            //* Keep executing program while the while statement is valid

            input = in.nextLine(); //set input value
            System.out.println("In: " + input); //Print input
            if (input.equals(q) || input.equals(Q)) {
                System.exit(0); //Program is terminated if q or Q is established
            } else {
                System.out.println("Output: " + input); //Print output
            }

        } while (!input.equals(q) || !input.equals(Q)); //Execute while statement is valid
```

Run: ☐ ProgrammmingProject0   ☐ ProgrammmingProject0   ☐ ProgrammmingProject0   ☐ ProgrammmingProject0   ☐ ProgrammmingProject0   ☐ ProgrammmingProject0   ☐ ProgrammmingProject0   ☐ ProgrammmingProject0   ☐ ProgrammmingProject0 ◀ ✿▾ ⊥

```
/Library/Java/JavaVirtualMachines/1.6.0.jdk/Contents/Home/bin/java ...
Please input desired text.(quit/Quit terminates program)
Test
In: Test
Output: Test
123
In: 123
Output: 123
Numbers456
In: Numbers456
Output: Numbers456
```

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