

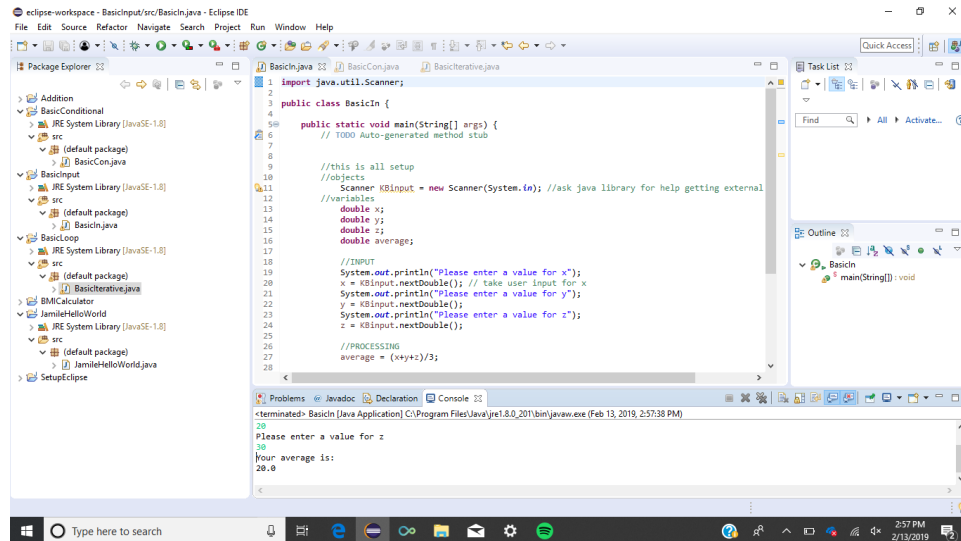
Jamile Thomas II

COSC 101-002

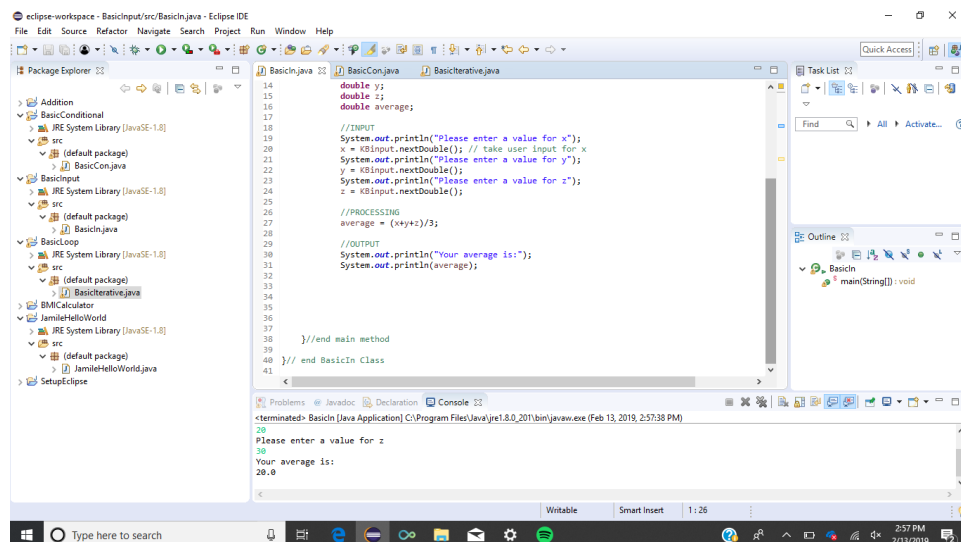
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1.) Basic Input

Where the average of three values entered by the user for three variables are calculated and displayed.



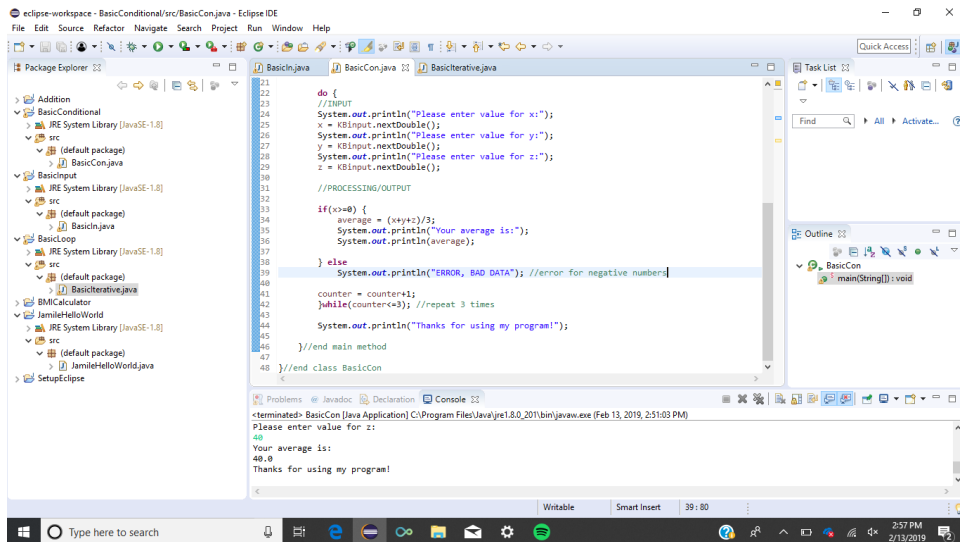
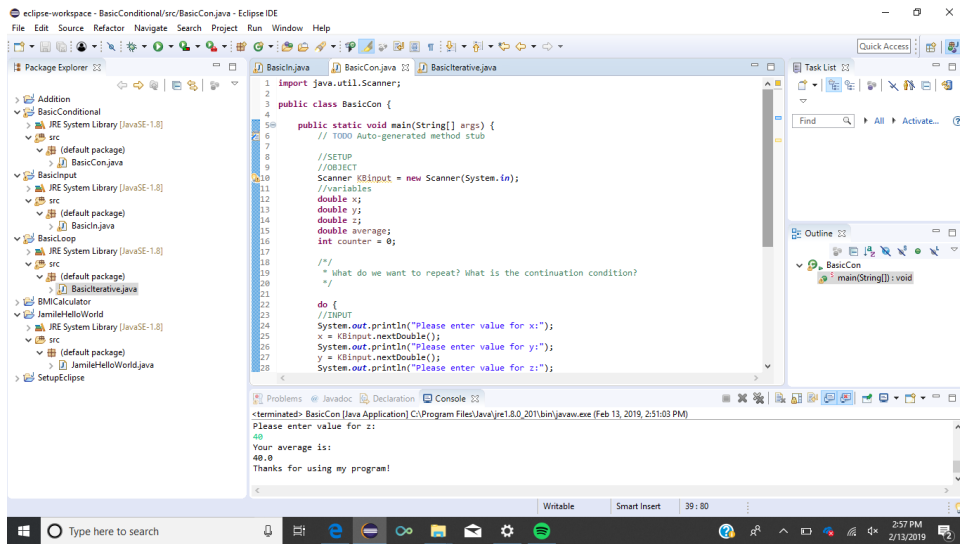
```
1 import java.util.Scanner;
2
3 public class BasicIn {
4     // TODO Auto-generated method stub
5
6
7
8
9     //this is all setup
10    //objects
11    Scanner KBInput = new Scanner(System.in); //ask java library for help getting external
12
13    //variables
14    double x;
15    double y;
16    double z;
17    double average;
18
19    //INPUT
20    System.out.println("Please enter a value for x");
21    x = KBInput.nextDouble(); // take user input for x
22    System.out.println("Please enter a value for y");
23    y = KBInput.nextDouble();
24    System.out.println("Please enter a value for z");
25    z = KBInput.nextDouble();
26
27    //PROCESSING
28    average = (x+y+z)/3;
29
30    //OUTPUT
31    System.out.println("Your average is:");
32    System.out.println(average);
33
34
35
36
37
38
39
40
41 }
```



```
1 import java.util.Scanner;
2
3 public class BasicConditional {
4     // TODO Auto-generated method stub
5
6
7
8
9     //this is all setup
10    //objects
11    Scanner KBInput = new Scanner(System.in); //ask java library for help getting external
12
13    //variables
14    double x;
15    double y;
16    double z;
17    double average;
18
19    //INPUT
20    System.out.println("Please enter a value for x");
21    x = KBInput.nextDouble(); // take user input for x
22    System.out.println("Please enter a value for y");
23    y = KBInput.nextDouble();
24    System.out.println("Please enter a value for z");
25    z = KBInput.nextDouble();
26
27    //PROCESSING
28    average = (x+y+z)/3;
29
30    //OUTPUT
31    System.out.println("Your average is:");
32    System.out.println(average);
33
34
35
36
37
38
39
40
41 }
```

2.) Basic Conditional

The average is taken and evaluated depending on whether the value of x is zero or a positive value or if it's a negative number. If the value is 0 or positive, then the program will continue to calculate the average but if it's a negative number an error will be displayed instead, and the program will halt.



3.) Basic Iterative

Uses a loop to repeatedly increment by 1 and display every number from 0 to 10.

