

Philip Pesic

Week 4

February 12 2023

Week 4 Prog 1

This code has errors.. Only fix lines if needed. // add comment to end of line describing fix.

Compile good code,

Put Good code in MS Word document, along with with Screen print of successful output.

```
package prog1;
import java.util.Scanner; //Changed import to import and deleted spaces

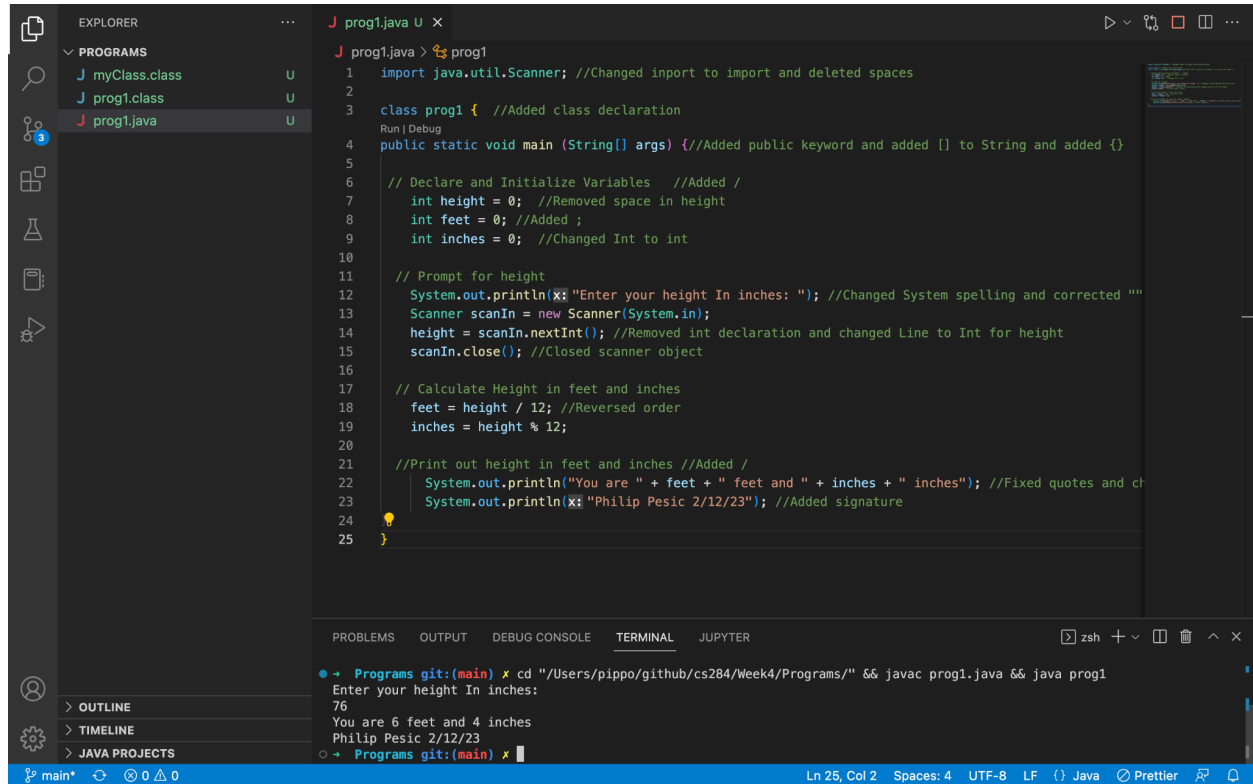
class prog1 { //Added class declaration
public static void main (String[] args) { //Added public keyword and added [] to String
and added {}
    // Declare and Initialize Variables //Added /
    int height = 0; //Removed space in height
    int feet = 0; //Added ;
    int inches = 0; //Changed Int to int
    // Prompt for height
    System.out.println("Enter your height In inches: "); //Changed System spelling and
corrected ""
    Scanner scanIn = new Scanner(System.in);
    height = scanIn.nextInt(); //Removed int declaration and changed Line to Int for
height
    scanIn.close(); //Closed scanner object
    // Calculate Height in feet and inches
    feet = height / 12; //Reversed order
    inches = height % 12;
    //Print out height in feet and inches //Added /
    System.out.println("You are " + feet + " feet and " + inches + " inches");
//Fixed quotes and changed , to +
    System.out.println("Philip Pesic 2/12/23"); //Added signature
}
}
```

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The screenshot shows an IDE with a Java file named `prog1.java`. The code implements a program that prompts the user for their height in inches, calculates the equivalent height in feet and inches, and prints the result. The code includes several comments explaining the changes made. The terminal output shows the program being executed, with the user inputting 76 inches, resulting in 6 feet and 4 inches.

```
1 import java.util.Scanner; //Changed inport to import and deleted spaces
2
3 class prog1 { //Added class declaration
4     public static void main (String[] args) { //Added public keyword and added [] to String and added {}
5
6         // Declare and Initialize Variables //Added /
7         int height = 0; //Removed space in height
8         int feet = 0; //Added ;
9         int inches = 0; //Changed Int to int
10
11        // Prompt for height
12        System.out.println(x; "Enter your height In inches: "); //Changed System spelling and corrected ""
13        Scanner scanIn = new Scanner(System.in);
14        height = scanIn.nextInt(); //Removed int declaration and changed Line to Int for height
15        scanIn.close(); //Closed scanner object
16
17        // Calculate Height in feet and inches
18        feet = height / 12; //Reversed order
19        inches = height % 12;
20
21        //Print out height in feet and inches //Added /
22        System.out.println("You are " + feet + " feet and " + inches + " inches"); //Fixed quotes and ch
23        System.out.println(x; "Philip Pesic 2/12/23"); //Added signature
24
25    }
```

Terminal Output:

```
Programs git:(main) x cd "/Users/pippo/github/cs284/Week4/Programs/" && javac prog1.java && java prog1
Enter your height In inches:
76
You are 6 feet and 4 inches
Philip Pesic 2/12/23
Programs git:(main) x
```

I learned: how to use the `java.util.Scanner` library to take user input