

- Code: public static main (String [] args){  
Error: Missing return type  
Problem: \_\_\_\_\_
- Code: int z = Math.PI\*Math.pow(3,5);  
Error: possible loss of precision  
found: double  
required: int  
How to Fix It: \_\_\_\_\_
- Code: double area=100.5;  
double twoTimesArea = 2area;  
Error: ; expected  
double twoTimesArea = 2area;  
                    ^  
Problem: \_\_\_\_\_
- Code: String x = "cat";  
String x = "dog";  
Error: x is already defined  
How to Fix It: \_\_\_\_\_
- Code: if (g > 5)  
        System.out.print(g + "is");  
        System.out.print("great!");  
  
       else  
  
        System.out.print("less.");  
Error: else without if  
How to Fix It: \_\_\_\_\_

## Part 2: Timed Quiz

Write a complete Java program on the computer and get it to run. The program should accept as input the year of a class of students in the two-digit or four-digit form, then tell what the homecoming float theme is for that class.

Be sure to use if statements (with or without else as necessary) and logical operators. You do not need nesting unless you complete the extra credit, below. Please don't try the extra credit until you finish the required parts of the program.

The classes and themes are:

Two-digit class	Four-digit class	Theme	Name
10	2010	Lucky Charms	Seniors
11	2011	Froot Loops	Juniors
12	2012	Captain Crunch	Sophomores
13	2013	Honey Nut Cheerios	Freshmen

Your program might run like this:

Please enter year of a class as a two digit or four digit integer: 13

This freshman class has the Homecoming Float theme of Honey Nut Cheerios.

OR

Please enter year of a class as a two digit or four digit integer: 2012

This sophomore class has the Homecoming Float theme of Captain Crunch.

OR

Please enter year of a class as a two digit or four digit integer: 09

Sorry – you did not enter an appropriate number. Try entering 10, 11, 12, 13, 2010, 2011, 2012, or 2013.

**For extra credit:** Use nesting to determine if the two-digit or four-digit input was entered, then print the output as one of the following, based on what was entered:

This '13 class has the Homecoming Float theme of Cheerios.

This 2013 class has the Homecoming Float theme of Cheerios.