


L5a

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Due Sep 26, 2018 by 11:59pm **Points** 10 **Submitting** a file upload **File Types** zip
Available after Sep 17, 2018 at 8am

1. Get [Section 5.14.3.java](#)  and load it in your IDE. Go to section 5.14.3 and complete the following **11** exercises: #20 to #30 **inclusive**. Code the answers in java in the provided file.
2. Go to section 5.14.4 and complete the following **8** exercises: #31 to #38 **inclusive**. Provide answers in a text file.
3. Write a program that calculates the **area** of the following two figures:
 - a square of side 0.666666667
 - and a rectangle of sides 4.0 and 1.0/9.0 . Test the two calculated areas for equality and discuss your result.
4. Write a program that reads a temperature as a **whole number** from the keyboard and outputs a "probable" season (winter, spring, summer, or fall) depending on the temperature:
 - if the temperature is **greater than 110 or less than -5**, then you should output that the temperature entered is outside the valid range
 - if the temperature is **greater than or equal to 90**, it is probably summer
 - if the temperature is **greater than or equal to 70 and less than 90**, it is probably spring
 - if the temperature is **greater than or equal to 50 and less than 70**, it is probably fall
 - if the temperature is **less than 50**, it is probably winter

Use the following flow of the program:

*if input is **out of range***

{

give an error

}

else

{

*using **cascading if statement** compute the value of the season*

***outside of the if block** print the result*

}

