

COMP 170 Week 1 Homework

These are from p. 44 of your text, with some additional explanation.

1. Write a Java program that displays the following picture. (*Hint*: Write a sequence of `println` statements that display lines of asterisks and blanks.) Name your class `Simple1`.

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*****
 *           **
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*****
 *       * *
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 * * *
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```

2. Write a complete program for this problem described in Exercise 9:
Given a person's year of birth, the Birthday Wizard can compute the year in which the person's *n*th birthday will occur or has occurred. Write statements that can be used in a Java program to perform this computation for the Birthday Wizard. Name your class `BirthdayWizard`.
3. Write a complete program for this problem described in Exercise 10:
Write statements that can be used in a Java program to read two integers and display the number of integers that lie between them, including the integers themselves. For example, four integers are between 3 and 6: 3, 4, 5, and 6. For example, if the user types in the two numbers 3 and 6 the program should print 4. You can assume that the second number the user enters is at least as big as the first number they entered (so, they might type in 3 and 3, in which case your program should print 1). Name your class `Range` and program `Range.java`
4. Extra Credit: Problem 4: JavaFX Snowman!