

Lab #2

CECS 277 Sec 07 Object Oriented Application Development Comments, Data Types, Variables, Assignments, and Operators

Due date: Feb 1, 2018 during the lab hours.

Program 1:

Write a temperature conversion Java program called FarheheitToCentigrade.java.

Set a variable called tempFarenheit = 98.6.

Calculate the Centigrade temp (tempCelcius) by using the formula $\text{Centigrade} = 5/9 (\text{Fahrenheit} - 32)$

Program 2:

Write a Java payroll program called Payroll.java that determines pay and taxes.

Set the following variables:

pay = \$25 per hour

hoursWorked = 40

Calculate grossPay by multiplying pay * hoursWorked.

Calculate taxesWithheld by multiplying grossPay * .15.

Calculate netPay by subtracting taxesWithheld from grossPay.

Display all variables.

Program 3:

Write a Java program called AverageNumbers2.java that calculates the average of numbers 1 to 50 using the for loop. Do it again using the while loop.

Program 4:

Write a Java program called InputParms.java that accepts 3 arguments in the main method using an array. Iterate through the array looking for your name using a for loop. Display the message "The name <your name> was found" if your name is found.

Program 5:

Write a Java program called BreakLoop.java that uses a for loop with the variable "count" and count 1 to 10.. Display "count=<count>" each time you loop through. Break out of the loop at 5. At the end of the program display "Broke out of the loop at count = 5".

Program 6:

Write a Java program called ContinueLoop.java that uses a for loop with the variable "count" and count 1 to 10. Display "count=<count>" each time you loop through. Skip the display statement using the continue statement if count = 5. At the end of the program display "Used continue to skip printing 5".