

Homework Assignment #2 due Sunday Feb 4, 2018

Fundamental Programming Structures in Java:

Strings

Program 1:

Write a program called ToString.java that converts the variables someInt and someDouble in the statements int someInt=21; and someDouble=128.04; to strings using the Integer or Double classes to make the conversions. Then, set a string variable called someString=40. Convert this string to an integer, add 20 to it and display the results.

Program 2:

Write a program called JoinStrings.java that concatenates two Strings: The first string will be input from the user. The second string is "will win the Super Bowl this year.". Print each string and the concatenated string. Finally, calculate the total number of vowels contained in the concatenated string and display the result.

Program 3:

Write a Java program called StringCompare.java that accepts input from the user and checks to see if the input equals your first name. If it does, display the message "Your name is <name>". If it does not, display the message "Your name is not <name>".

Program 4:

Design and write a Java class named **SalesArray.java** that will:

- Declare a two-dimensional integer array names sales. Populate the first four columns using the following data.

	Quarter 1	Quarter 2	Quarter3	Quarter 4	Total
Dept. 1	750	660	910	800	
Dept. 2	800	700	950	900	
Dept. 3	700	600	750	600	
Dept. 4	850	800	1000	950	
Dept. 5	900	800	960	980	
Total					

- b. Write a loop to compute and populate the total column. Within the loop, display each department total as it is computed.
- c. Write a loop to compute and populate the total row. Within the loop, display each quarter's total as it is computed.