

Review Questions

1. Read the following classes, make some notes for yourself and write at least two programs to demonstrate what you have understood
 - a. StringTokenizer (java.util.StringTokenizer) → compare on how it works with the method String.split from the class String
 - b. Arrays (java.util.Arrays) → compare it with the normal way we process arrays using loops
 - c. Random (java.util.Random) → compare it with Math.random () method
2. To "capitalize" a string means to change the first letter of each word in the string to uppercase (if it is not already upper case). For example, a capitalized version of "Now is the time to act!" is "Now Is The Time To Act!". Write a method named printCapitalized that will print a capitalized version of a string to standard output. The string to be printed should be a parameter to the method. Test your method as (a)instance method (b) Static method in each way, a main () routine that gets a line of input from the user and applies the method to it.

Note that a letter is the first letter of a word if it is not immediately preceded in the string by another letter. Recall that there is a standard boolean-valued function Character.isLetter(char) that can be used to test whether its parameter is a letter. There is another standard char-valued function, Character.toUpperCase(char), that returns a capitalized version of the single character passed to it as a parameter.
3. Suppose we want to model employees to keep track of their names, salaries, and immediate boss. Some operations that will be done to this employee includes but not limited to increase salary, set immediate boss, and get employee details. Write the program that will use this class to enter the names of 10 employees, set bosses among themselves and increase the salaries.
4. Use the class Account we created in the class to write the program that is menu driven. The program will present the menu to user which will include the services that are provided by the class Account (withdraw, checkbalance, deposit, and transfer) as well as the method to enterAccount () which enters the accounts to the array of accounts and the method displayAccounts() which displays all the accounts present. User will have to choose a service he or she wants from the presented menu or to quit the program.