1. Create a connection to the MS SQL Server database "ExcelsiorMobile". Execute the query to get all the data from DirNums table and save it in the cursor. Now fetch the first row and print it out.
2. Save the execution of the query to get the Texts column from LastMonthsUsage table to the cursor. Now print the entire table.
3. Save the sum of the Total column in the Bill table to the cursor. Save only the value of the result of that query into a variable called val. Now print val.
4. Save the results of the query to get all the data from the Subscriber table into the cursor. Now iterate through the cursor and append the First Name to the the Last Name with a space in between to a list called fullNames. Print fullNames.
5. The goal of this one is to retrieve all the data from the LastMonthsUsage table and put the columns Minutes, dataInMB and Texts into lists respectively named mins, data, and texts. Print all three lists when the data has been appended into the lists from the DB. Now print 3 strings. One says: "Max minutes used was (put here the maximum amount of minutes from the mins list)". The next says: "Min data used was (put here the minimum amount of data used from the data list)". The last one says: "Average texts sent was (put the average amount of texts sent from the texts list)". For the average, remember that average = sum/count of items in list.
6. Now you are going to save the query to get all the data from Device table into the cursor and turn it into a dictionary, as we did in class. You can use the code almost identically from what we did in class. The twist is when you are print the dictionary form out (you will need nested loops here because the result will be a list of dictionaries), please only print the entries that have a Type of Android. Please try to ensure there is a newline between each entry listing.