**Assignment #5 – Single Row Functions**

Run the script ‘DBMS Assignment #05 Script (Single Row Functions).sql’ (provided in the assignment folder). This will create the tables used for this assignment. Write the necessary SQL commands to perform the required actions. Run the queries to obtain results from the database. (Make sure all columns returned have proper headings.) All solution must use a single line function.

1. (3 marks) List all the cities in which we have offices.

In the report be sure to list New York as "N.Y." and Los Angeles as "L.A."

1. (3 marks) We need to make user names for our sales reps. A user name is made from the first initial of the first name plus the last name. (Ex: **Bill Adams** => **badams**)
2. (3 marks) An incident occured around: 1988-05-01!  
   Unfortunately we are not sure if this date is accurate! (OH NO!) We definitely know it was within 2 months (plus or minus) from that date. Find all the SalesReps who were hired during this period, so we can continue our investigation. **You must use MONTHS\_BETWEEN. Display only the sales rep name and their hire date.**
3. (4 marks) Display all sales reps with sales over a thousand dollars. Order your results from largest to smalled sales. Show us the sales rep’s name, title and sales. We do not want to see any numbers below the thousands columns. We also want to see the whole word: "Representative" instead of "Rep". Note: we are **not rounding sales**. Example: 3783 becomes 3000. 5012 becomes 5000.  
     
   Example solution row:  
    Bill Adams Sales Representative 3000
4. (4 marks) Display all orders where the amount is greater than 10 after rounding to the nearest 10 spot (Ex: 4.24 Rounds to 0, 5.5 Rounds to 10, 132.10 Rounds to 130).  
   Show the Order Number, Customer number, Date and Amount. If a customer number is not available for the order, show the value -1 instead of their customer number. The Amount should be formatted to use a dollar sign, do not show the decimals (Examples: $315, $37, $6).   
     
   Format the date based on the example row below (Use the same capitalization, **but you do not have to format the spacing the same way**):

113045 2112 Friday February 6, 1990 $450

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***The following standards are to be used when coding:***

* A comment that consists of your name & student number, course & section, date, and assignment number must be placed as the first 4 lines (Comments are indicated by placing dashes ‘--‘ in the first two columns of the line)
* Place a comment before every question indicating the question number. E.g.  
   --Question 1
* Keywords are in Uppercase
* Names are coded in camel case (First letter capitalized)
* Each clause is placed on a line by itself

***Submission Instructions***

* The file must be an SQL script (which ends with the suffix ‘.sql’), which is simply a text file (created in Notepad or an equivalent editor). No other type of file is acceptable.
* DO NOT compress the file into any sort of archive, submit the SQL Script directly to the appropriate LEARN dropbox.
* Submission of an invalid file type (any file type other than an SQL script) results in an immediate mark of zero.