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| Week #3 Assignment  2 Percent Assignment | Use SELECT command and Scalar Functions to get the desired results.  Maziar Shajari  Advanced databases |

* **You have to use everything you have already learned, to complete your assignment. (such as standard query format)**
* **Do not forget to have a title paragraph for your assignment’s report. Include all member names if you are doing the assignment as a group.**
* **Only one report must be submitted if you are doing it as a group.**
* **Do not forget to add a brief comment for each query.**
* **Submit the report file with a proper format (Review it before submitting) (Have the queries and the results (Both) properly separated from each other before each result).**
* **Change the report file extension to .txt or doc.**

We are going to work with **Adventurework** database. Therefore, open **Adventurework** database as your default database. Do not forget to use the SQL standards.

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| # | Question | mark | Table |
| 1 | We want the AddressID, AddressLine1, AddressLine2, and City of the persons who live in Los Angeles without any null values in their AddressLine2.  How many are they? Do not use (Count) function. Just seeing it in the report section (text) is enough.  (3 rows affected) | 1 | Person.Address |
| 2 | We want the AddressID, AddressLine1, AddressLine2, and City of the persons without any null values in their AddressLine2 who are living in Los Angeles or Toronto.  (4 rows affected) | 1 | Person.Address |
| 3 | We want the AddressID, AddressLine1, AddressLine2, and City of the persons without any null values in their AddressLine2 who are living in Los Angeles, Toronto, or Downey.  (7 rows affected) | 1 | Person.Address |
| 4 | A) We need all information in ProductCostHistory with the StandardCost between 100 and 120 sorted by the ModifiedDate.    B) Write the second query, and show all standardcosts more than 2000. | 2 | Production.ProductCostHistory |
| 5 | Write a T-SQL command to show 10 first BusinessEntityID, FirstName, LastName, and ModifiedDate of the persons with lastnames ending with ‘ll’ and starting with ‘Ru’ and firstname starting with ‘B’. | 1 | [Person].[Person] |
| 6 | Write a T-SQL command to show 10 first BusinessEntityID, FirstName, LastName, and ModifiedDate of the persons with lastnames ending with ‘ll’ and Firstname with exactly three characters. | 1 | [Person].[Person] |
| 7 | Write a T-SQL command to show 10 first BusinessEntityID, FirstName, LastName, ModifiedDate, Today’s date As ‘Today’, and Total days past from the modified date till current date (change the column name to ‘Days Past’) of the persons with lastnames ending with ‘ll’ and Firstname with exactly three characters.  \*You have to use scalar functions such as getdate() and cast(). | 2 | [Person].[Person] |
| 8 | Assignment format & SQL standards | 1 | - |
|  | SUM | 10 |  |
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