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| Week 9 Assignment | This assignment will focus on advanced update commands and Rollback.  Maziar Shajari  Database Management |

**Instructions:**

* **You have to use everything you have already learned, to complete your assignment. (comments, Query format, …)**
* **Do not forget to have a title paragraph for your assignment report(Your name, Assignment weeks, Date, and student number).**
* **Do not forget to add a brief comment for each query. Submit the report file with a proper format (have the queries and the results properly separated from each other).**
* **Only submit your report file and you do not need to submit your script file. Your script are already in your report.**
* **Rename your report file to “Week8\_your name.txt” then submit it.**
* **Do not submit .zip files. Submit only text files.**
* **Report format will have 30%. Before submitting check your file. Submit .docx file if you have Microsoft Word.**

We are going to work with **Adventurework2017** database. Therefore, open **Adventurework2017** database as your default database. Do not forget to use the SQL standards.

For all the following queries, **you must use ROLLBACK command.** You have to show the table’s data before and after execution of each query.

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| # | Question | mark | Tables |
| 1 | Create a ‘Database Diagram’. In the diagram you must include five tables. Find the table names in the last column.   * For the screenshot, place all five tables in one page. * Think about a way to copy and paste your diagram to your report. | 2 | Vendor (Purchasing)  Person (Person)  ProductVendor (Purchasing)  Employee (HumanResources)  EmailAddress (Person) |
| 2 | Update the modified date for all the employees to current date. Employee type is ‘EM’.   * Do not forget to use ROLLBACK * You must use JOIN. * 273 rows must be affected.   Based on the employeeID, using Fetch & Offset show the 3rd twenty rows in the table. (Rows from 40 to 60). | 3 | Person.EmailAddress  Person.Person |
| 3 | Increase the Standard Price by 10 percent for the products with standard prices higher than 50.00.   * (12 row(s) affected) * Show the affected rows with a select command | 1 | Purchasing.ProductVendor |
| 4 | We want to update the modified date for all the persons without mail promotion and with first names starting with ‘Ca’ to 1th of December 2017.   * You have to use N before the strings, and you have to explain the reason of using it after your screenshots. * Do not need to show the rows. * (365 row(s) affected) | 2 | Person.Person |
| 5 | Using @MaxOrderQTY variable, update the MaxOrderQTY to 5000 for the seven highest OnOrderQTY.   * You have to use Declare * You need to use SubQuery. * 7 rows affected. * Sjow the affected rows after the update. | 2 | Purchasing.ProductVendor |