# JOBSHEET PRAKTIKUM BASIS DATA LANJUT

Jurusan Teknologi Informasi POLITEKNIK NEGERI MALANG <sup>2024</sup>



# Week 2

**SQL SERVER - SELECT, JOIN SORTING DAN FILTERING DATA** 

## Team Teaching:

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Information Technology Department, Malang State Polytechnic

Jobsheet- 1: Introduction to Transact-SQL and Statements SELECT, Join, Sorting, and Filtering data Advanced Database Course

Supervisor: Advanced Database Teaching Team

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#### **Topics**

1. Introduction to T-SQL and Query Select

- 2. Querying Multiple Tables
- 3. Sorting and Filtering Data

#### **Objective**

Students are expected to be able to:

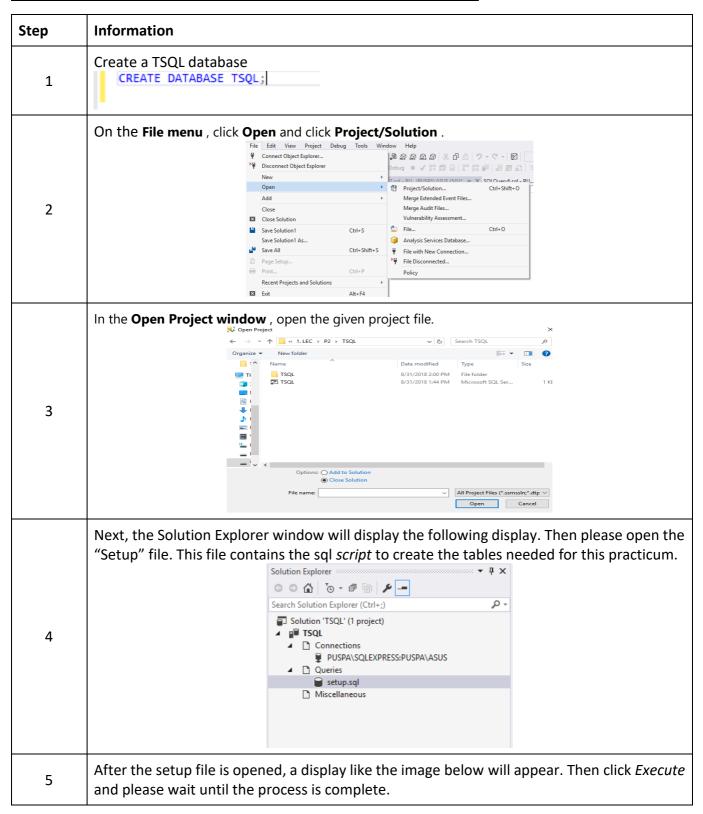
- 1. Understanding the basic differences between Transact-SQL (T-SQL) and ANSI SQL.
- 2. Understanding how to create a database from an existing SQL file
- 3. Understand how to execute part or all of a SQL script from an existing file.
- 4. Understanding the concept of using 'comments' in T-SQL.
- 5. Understand the concept of using the SELECT statement to analyze existing tables in a database.
- 6. Understanding how to display data in a unique / distinct manner.
- 7. Understand how to use ALIAS for table names and column names.
- 8. Understand the concept of CASE expressions and how to use them.
- Students understand how to query multiple tables in a SELECT clause using JOIN.
- 10. Students understand how to write INNER JOIN , OUTER JOIN , SELF-JOIN and CROSS JOIN queries
- 11. Students understand how to do Data Sorting , Data Filtering with predicates , Data Filtering with TOP and OFFSET-FETCH
- 12. Students understand how to handle missing and unknown values in real data.

#### **General Instructions**

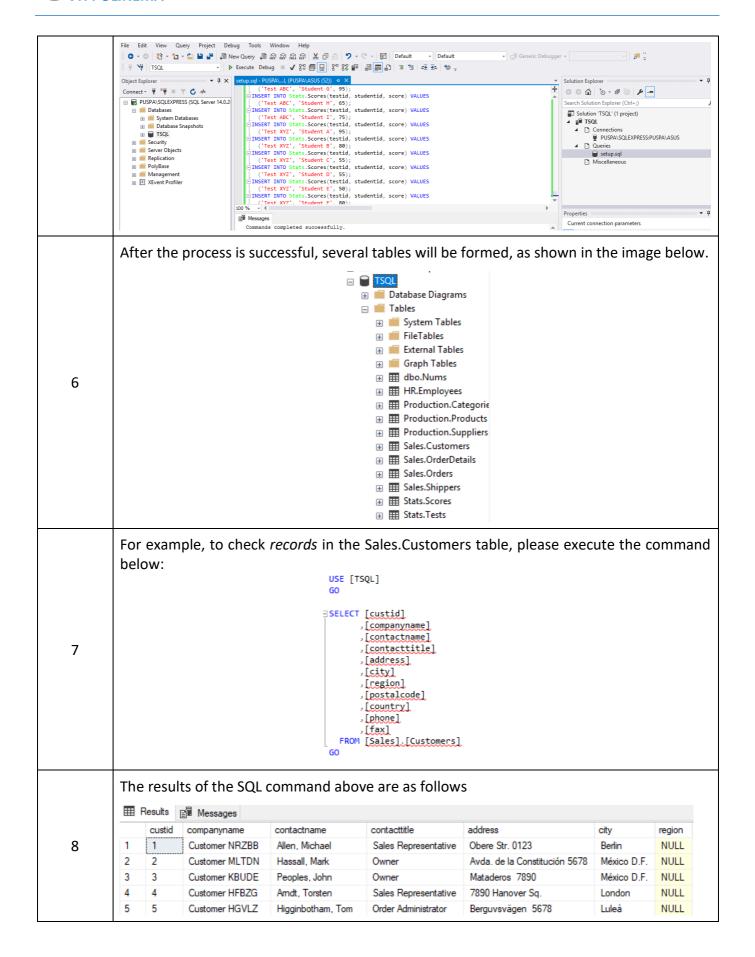
- 1. Follow the steps in the practical sections in the order given.
- 2. Answer all questions marked [Question-X] that are found in certain steps in each part of the practicum.
- 3. In each step of the practicum, there is an explanation that will help you answer the questions in instruction number 3, so read and do all the practicum parts in this jobsheet.
- 4. Write the answers to the questions in the instructions number 3 in a report that is done using a word processing application (Word, OpenOffice, or other similar). Export as a **PDF file** with the following name format:
  - BDL\_Class\_03\_YourFullName .pdf
  - Collect the PDF files as a practical report to the supervising lecturer.
  - In addition to the file name, also include your identity on the first page of the report.



#### **Practical Preparation: Creating a Database from Existing SQL**









## <u>Practical – Part 1: Executing part or all of a SQL script</u>

Step	Information
1	Please type the following <i>query in your query</i> panel then click <i>execute</i> . Note the results displayed.  SELECT  * FROM Sales.Customers;
2	Please add the following query to your query panel then click execute . Note the results  SELECT  FROM Sales Customers;  SELECT  Custid, companyname, contactname, contacttitle, address, city, region, postalcode, country, phone, fax  FROM Sales Customers;  displayed
3	Make a selection on one of the existing queries then click execute. Note the results displayed. What is the difference with the results in the second step above? (Question 1)  SELECT  FROM Sales.Customers;  SELECT  custid, companyname, contactname, contacttitle, address, city, region, postalcode, country, phone, fax  FROM Sales.Customers;
4	In the query panel please type  SELECT * FROM
5	then on the Object Explorer tab — Tables please find the Sales.Customers table. Click the table and drag it to the query pane I . The result is as shown below, after that add a semicolon after the name of the table in question and click execute.



## <u>Practical – Part 2: Using the SELECT statement for specific columns</u>

Step	Information								
1	In the query pane SELECT contactname, add FROM Sales.Custome	dress, postalo	oe the script be						
2	Highlights query above and click execute								
3	1 2 3 4 5 6 6 7 8 9	Results Messages contactname Allen, Michael Hassall, Mark Peoples, John Amdt, Torsten Higginbotham, Tom Poland, Carole Bansal, Dushyant Ilyina, Julia Raghav, Amritansh Bassols, Pilar Colome Jaffe, David	address Obere Str. 0123 Avda. de la Constitución 5678 Mataderos 7890 Mataderos 7890 Posteristr. 7890 2345, place Kléber C/ Araquil, 0123 6789, rue des Bouchers 8901 Tsawassen Blvd. Fauntleroy Circus 4567	postalcode 10092 10077 10097 10046 10112 10117 10089 10104 10105 10111 10064 SPA\SQLEXPF	city Berlin México D.F. México D.F. London Luleà Mannheim Strasbourg Madrid Marseille Tsawassen London RESS (14.0 RTM) The im	country Germany Mexico Mexico UK Sweden Germany France Spain France Canada UK	SUS (53)   TSQL	ou can do	



## <u>Practical – Part 3: Using the SELECT statement to display data uniquely / DISTINCT</u>

Step	Information			
	In the query panel, please type the script below			
1	SELECT country FROM Sales.Customers;			
2	Highlights query above and click execute			
3	Please observe the results. Is there any duplicate data? If YES, why? Capture the results of executing the SQL script above (Question 2)			
	In the query pane, please type the script below.			
4	SELECT DISTINCT country FROM Sales.Customers;			
	Please click <i>execute</i> and observe the results.			
	Is there any duplicate data? Explain the difference in results in step 4 and step 3!? What			
г	are the benefits of the DISTINCT command? Capture the results of executing the SQL script			
5	above (Question 3)			



## <u>Practical – Part 4: Using ALIAS for table names and column names</u>

Step	Information		
	In the query panel, please type the script below		
1	SELECT c.contactname, c.contacttitle FROM Sales.Customers AS c;		
2	Highlights query above and click execute. Observe the results		
3	In the query panel, please type the script below.  SELECT c.contactname AS Name, c.contacttitle AS Title, c.companyname AS [Company Name] FROM Sales.Customers AS c;		
4	Highlights query above and click execute . Observe the results.		
5	What is the difference between the execution results of the query stage 1 and stage 3 above? What are the benefits of the AS command? Please explain! Capture the results of the SQL script execution above (Question 4)		



## <u>Practicum – Part 5: Use of CASE</u>

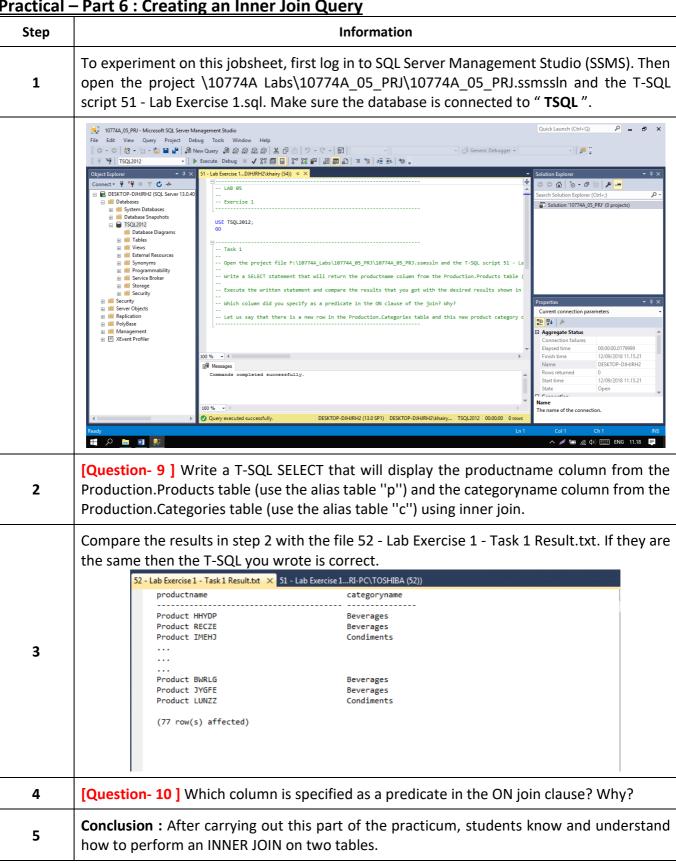
Step	Information				
	In the query panel, please type the script below				
1	SELECT p.categoryid, p.productname FROM Production.Products AS p;				
2	Highlights query above and click execute. Observe the results				
	In the query panel, please type the script below.				
3	SELECT p.categoryid, p.productname, CASE  WHEN p.categoryid = 1 THEN 'Beverages' WHEN p.categoryid = 2 THEN 'Condiments' WHEN p.categoryid = 3 THEN 'Confections' WHEN p.categoryid = 4 THEN 'Dairy Products' WHEN p.categoryid = 5 THEN 'Grains/Cereals' WHEN p.categoryid = 6 THEN 'Meat/Poultry' WHEN p.categoryid = 7 THEN 'Produce' WHEN p.categoryid = 8 THEN 'Seafood' ELSE 'Other' END AS categoryname FROM Production.Products AS p;				
4	Highlights query above and click execute . Observe the results.				
5	What is the difference between the execution results of the query stage 1 and stage 3 above? What are the benefits of the CASE command? Please explain! Capture the results of the SQL script execution above (Question 5)				
6	In the query panel, please type the script below.				



```
SELECT
                        p.categoryid, p.productname,
                        CASE
                               WHEN p.categoryid = 1 THEN 'Beverages'
                               WHEN p.categoryid = 2 THEN 'Condiments'
                               WHEN p.categoryid = 3 THEN 'Confections'
                               WHEN p.categoryid = 4 THEN 'Dairy Products'
                               WHEN p.categoryid = 5 THEN 'Grains/Cereals'
                               WHEN p.categoryid = 6 THEN 'Meat/Poultry'
                               WHEN p.categoryid = 7 THEN 'Produce'
                               WHEN p.categoryid = 8 THEN 'Seafood'
                               ELSE 'Other'
                        END AS categoryname,
                        CASE
                               WHEN p.categoryid IN (1, 7, 8) THEN 'Campaign Products'
                               ELSE 'Non-Campaign Products'
                        END AS iscampaign
                     FROM Production. Products AS p;
        Please capture the results, what data is obtained from the query command above? Explain
        (Question 6)
7
        Based on question number 6, please display data that is in the 'seafood' category only and
        use the ALIAS command to change the column name as shown in the image below.
        Capture your SQL command and how many rows are produced (Question 7)
                                        NAMA_PRODUK | NAMA_KATEGORI
                          ID_KATEGORI
                     1
                          8
                                        Product ACRVI
                                                         Seafood
                                                                          Campaign Products
                     2
                          8
                                         Product AQOKR
                                                         Seafood
                                                                          Campaign Products
                     3
                          8
                                         Product CBRRL
                                                        Seafood
                                                                          Campaign Products
8
                     4
                                        Product CKEDC
                          8
                                                         Seafood
                                                                          Campaign Products
                     5
                          8
                                        Product EVFFA
                                                         Seafood
                                                                          Campaign Products
                     6
                          8
                                        Product GMKIJ
                                                         Seafood
                                                                          Campaign Products
                     7
                          8
                                        Product LYERX
                                                         Seafood
                                                                          Campaign Products
                     8
                          8
                                         Product POXFU
                                                         Seafood
                                                                          Campaign Products
                     9
                          8
                                         Product TTEEX
                                                         Seafood
                                                                          Campaign Products
        Display employee data from HR.Employees table that comes from country 'USA' and city
        'Seattle', use ALIAS command to change column name as shown below. Capture your SQL
        command (Question 8)
9
             FIRST_NAME
                           LAST_NAME
                                        CITY
                                                COUNTRY
        1
              Sara
                           Davis
                                        Seattle
                                                USA
        2
                                                USA
              Maria
                           Cameron
                                        Seattle
```



Practical – Part 6: Creating an Inner Join Query





<u>Practical – Part 7 : Creating an Inner Join Query on Multiple Tables</u>

Step	Information
	A <i>developer</i> will often be asked to run T-SQL files obtained from various departments . For example, the sales department wants a sales report of all customers for at least one order , with detailed information about each order. Then <i>the developer</i> will prepare the initialization of the SELECT statement to retrieve the custid and contactname columns in the Sales.Orders table. In accordance with the case study, this part 2 practicum will be carried out.  Open the project \10774A Labs\10774A_05_PRJ\10774A_05_PRJ.ssmssln and the T-SQL script 61 - Lab Exercise 2.sql. Make sure the database is connected with "TSQL".
1	61 - L Execute (F5) RI-PC\TOSHIBA (52)) ×
2	The developer will write T-SQL:  SELECT custid , contactname , orderid FROM Sales . Customers INNER JOIN Sales . Orders ON Customers . custid = Orders . custid ;  Execute the T-SQL , and observe the results!
3	[Question- 11] After the 2nd stage of the experiment is carried out, an error will appear. What is the content of the error message? Why can this error occur? Explain!
4	[Question- 12] In this 4th trial, fix the error that occurred in the 3rd stage trial which explains that all table names have their own table identities.
5	Observe and compare the results of the 4th stage trial with the file 62 - Lab Exercise 2 - Task 2 Result.txt. If the results are the same, then your answer is correct.



	62 - Lab Exercise 2 - Task 2 Result.tbt × 61 - Lab Exercise 2RI-PC\TOSHIBA (52))*
	custid contactname orderid  1 Allen, Michael 10643
	1 Allen, Michael 10692 1 Allen, Michael 10702
	91 Conn, Steve 10906 91 Conn, Steve 10998 91 Conn, Steve 11044
	(830 row(s) affected)
6	[Question- 13] Copy the T-SQL in the 4th stage of the test and modify it by using the alias table " c " to Sales.Custumers table and " o " for Sales.Orders table.
7	Execute T-SQL on stage-6 test and compare the result with the result of stage 4 execution! If the result is the same then your T-SQL is correct.
	Change the column prefix in the SELECT clause to the full name, then execute the T-SQL!
8	62 - Lab Exercise 2 - Task 2 Resultixt  61 - Lab Exercise 2RI-PC\TOSHIBA (52))* ×
	Messages  Msg 209, Level 16, State 1, Line 23  Ambiguous column name 'custid'.  Msg 4104, Level 16, State 1, Line 41  The multi-part identifier "Customers.custid" could not be bound.  Msg 4104, Level 16, State 1, Line 41  The multi-part identifier "Customers.contactname" could not be bound.  Msg 4104, Level 16, State 1, Line 41  The multi-part identifier "Orders.orderid" could not be bound.
9	[Question- 14] Why does the execution result of T-SQL stage 8 produce an error?
10	[Question- 15] Change the column name prefix in the T-SQL test step 8 with its alias name, then display the execution results!
11	<b>Conclusion</b> : After carrying out this part of the practicum, you should now know and understand the importance of using table alias names and how to JOIN multiple tables (more than two tables).



## <u>Practical – Part 8 : Creating a Self-Join Query</u>

Step	Information
	This practicum uses a case study in an HR department that wants to display reports on employees and managers. Some of the things that want to be displayed are the lastname, firstname, and title columns of the HR.Employees table for employees and managers.  Open the project \10774A Labs\10774A_05_PRJ\10774A_05_PRJ.ssmssln and the T-SQL script 71 - Lab Exercise 3.sql. Make sure the database is connected with "TSQL".
1	Execute (FS)RR-PC\TOSHBA (S2)) \times
2	[Question- 16] Write T-SQL using SELECT clause to display empid, lastname, firstname, title, and mgrid columns. on the table HR.Employees by giving the alias name "e" for the HR.Employees table.
3	[Question- 17] Execute the 2nd stage of the test and compare it with 72 - Lab Exercise 3 - Task 1 Result.txt . If the results are the same, then your test is correct.
4	[Question- 18] Copy the T-SQL in step 2 then modify it by adding columns about manager information, namely lastname, firstname using SELF-JOIN. Use the aliases mgrlastname and mgrfirstname to distinguish the names of managers and employees.
5	[Question- 19] Execute the 2nd stage of the test and compare it with 7 3 - Lab Exercise 3 - Task 2 Result.txt . If the results are the same, then your test is correct.
6	[Question- 20] Is it mandatory to write the table alias name when executing the SELF-JOIN command? Can the original table name be used as an alias name? Explain!
7	<b>Conclusion</b> : After doing this part of the practicum, you should understand how to write a T-SQL SELF-JOIN statement.



## <u>Practical – Part 9 : Creating Outer-Join Query</u>

Step	Information
	The case study used in this practicum part 4 continues the practicum in part 3. The sales department is quite satisfied with the report that has been made. Then the sales department wants to change the report to show all customers, even though the customer does not have an order history or customers who have an order history. Therefore, a SELECT clause is needed to retrieve all rows from the Sales.Customers table (custid and contactname columns) and the orderid column From the Sales.Orders table.  Open the project \10774A Labs\10774A_05_PRJ\10774A_05_PRJ.ssmssln and the T-SQL script 81 - Lab Exercise 4.sql. Make sure the database is connected with "TSQL".
1	81 - Lab Exercise 4RI-PC\TOSHIBA (52)) ×
2	[Question- 21] Write a T-SQL command with a SELECT clause to retrieve the custid and contactname columns from the table Sales.Customers and the orderid column from the Sales.Orders table. The command created must retrieve all rows from the Sales.Customers table.
3	[Question- 22] Execute the 2nd stage of the test and compare it with 82 - Lab Exercise 4 - Task 1 Result.txt . If the results are the same, then your test is correct.
4	[ Question- 23 ] Pay attention to the values in the orderid column . Are there any missing values (NULL)? Why?
5	<b>Conclusion</b> : After doing this part of the practicum, you should understand how to write the T-SQL OUTER-JOIN statement.



## <u>Practical – Part 10 : Creating a Cross-Join Query</u>

Step	Information			
	This case study begins with the HR department wanting to set up a personal calendar for each employee. The IT department will provide a T-SQL code that generates all days in the past year. Therefore, the developer will use the SELECT clause to return all rows from the calendar table for each row in the HR.Employees table.  Open the project \10774A Labs\10774A_05_PRJ\10774A_05_PRJ.ssmssIn and the T-SQL script			
	91 - Lab Exercise 5.sql. Make sure the database is connected with "TSQL".			
1	91 - Lab Exercise 5RI-PC\TOSHIBA (52)) ×			
	LAB 05  Exercise 1			
	USE TSQL2012;			
	<b>60</b> □			
	Task 1  Open the project file F:\10774A_Labs\10774A_05_PRJ\10774A_05_PRJ.ssmssln and the T-SQL script 91			
	Execute the T-SQL code under Task 1. Do not worry if you do not understand the provided T-SQL cod			
	SET NOCOUNT ON:			
	Messages Command(s) completed successfully.			
2	[ Question- 24 ] Run the T-SQL code under task 1. Display the output! (Don't worry if you don't understand the T-SQL code. The next step will provide a more concrete example of how CROSS-JOIN is implemented.)			
3	[Question- 25] Write a SELECT command to retrieve values from the empid, firstname, and lastname columns from the HR.Employees table and the calendardate column from the HR.Calendar table .			
4	[Question-2 6] Execute the 3rd stage test and compare it with the file 92 - Lab Exercise 5 - Task 2 Result.txt . If the results are the same, then your test is correct.			
	Drop the HR.Calendar table by executing the T-SQL code below task 3.			
5	Execute (F3) Gise 5-RE-PCXTOSHBA (52))* ×  Task 3  Execute the provided T-SQL statement to remove the HR.Calendar table.  To 5-RE-PCXTOSHBA (52) TS NOT NULL  DROP TABLE HR.Calendar;  To 5-RE-PCXTOSHBA (52) TS NOT NULL  DROP TABLE HR.Calendar;  To 5-RE-PCXTOSHBA (52) TS NOT NULL  TO 5-RE-PCXTOSHBA (52) TS NOT NU			
6	Conclusion : After completing this practical section, you will understand how to write T-SQL CROSS-JOIN code .			



## <u>Practical – Part 11 : Writing Queries Who Will Filter Data with WHERE clause</u>

Step	Information
	The scenario in this practicum uses the problems in the marketing department. The marketing department is working on several campaigns for old customers. The marketing staff needs a different customer list according to several business rules. Therefore, the developer will write a SELECT command to retrieve the desired rows from the Sales.Customers table.  Open the project \10774A Labs\10774A_06_PRJ\10774A_06_PRJ.ssmssln and the T-SQL script 51 - Lab Exercise 1.sql. Make sure the database is connected with "TSQL".
1	S1 - Lab Exercise 1RL-PC\TOSHIBA (52)) ×
2	Write a SELECT statement that will return the column values from a table, Then filter the results to only customers who are from "Brazil"!  SELECT custid , companyname , contactname , address , city , country , telephone FROM Sales . Customers WHERE country = Brazil';  Use of the N prefix for literal characters ( N'Brazil' ). This prefix is used because the country column is a Unicode data type. When expressing Unicode characters literally, the N character (for National) is specified as the prefix.
3	[Question- 27] Execute the 2nd stage of the test and compare it with the file 52 - Lab Exercise 1 - Task 1 Result.txt . If the results are the same, then your test is correct.



4	[Question- 28] Write a SELECT command that will return values in the custid, companyname, contactname, address, city, columns. country, and phone in the Sales.Customers table, then filter the results only for "Brazil, UK and USA" (Use the IN predicate in the WHERE clause).				
5	[Question-2 9] Execute the 3rd stage test and compare it with file 53 - Lab Exercise 1 - Task 2 Result.txt . If the results are the same, then your test is correct.				
6	The IT department has written T-SQL code to return values in the custid, companyname columns in the Sales.Customers table and the orderid column. in the Sales.Orders table as below:  SELECT  c . custid , c . companyname , o . orderid  FROM Sales . Customers AS c  LEFT OUTER JOIN Sales . Orders AS o ON c . custid = o . custid AND c . city = 'Paris';				
	Query execution in the 7th stage of the trial. Note two things, first the query will retrieve all rows in the Sales. Customers table . Second, the use of the comparison operator with the ON clause makes the city column more specific, namely the same as the value "Paris".				
7	- Is the result the same as in the first T-SQL statement? Why? What is the difference of the sales. Customers As company name, o. orderid record of the sales. Customers As company name, o. orderid record of the sales. Customers As company name, o. orderid record name of the sales. Customers As company name, o. orderid record name or the sales. Customers the sales.				
8	[Question-30] Copy the T-SQL Code in step 7 then modify it with the comparison operator for the city column in the WHERE clause. After that execute the code, show the result!				
9	Compare the results of step 9 with file 55 - Lab Exercise 1 - Task 4 Result.txt . If the results are the same, then your test is correct.    S5 - Lab Exercise 1 - Task 4 Result.txt   S1 - Lab Exercise 1RI-PC\TOSHIBA (52))*				
10	<b>Conclusion</b> : After completing the practicum and answering the questions in this section, you should understand how to filter data rows from one or more tables using the WHERE clause with logical operator predicates.				



#### <u>Practical – Part 11 : Writing Queries Which Will Sort Data with clause ORDER BY</u>

Step	Information					
	The case study in this lab is based on a problem in the sales department. The sales department wants to create a report that shows all orders with some customer information. In addition, there is an additional request to sort the data based on order dates and the customer IDs. The order rows in the previous lab were displayed without using the ORDER BY clause, therefore specifically for this lab section the WHERE command will be followed by the ORDER BY clause.  Open the project \10774A Labs\10774A_06_PRJ\10774A_06_PRJ.ssmssln and the T-SQL script 61 - Lab Exercise 2.sql . Make sure the database is connected with "TSQL".					
	·					
1	61 - Lab Exercise 2RL-PC\TOSHIBA (54)) × 51 - Lab Exercise 1RL-PC\TOSHIBA (52))*					
2	[ Question- 31 ] Write a SELECT command to retrieve the custid, custname columns from the Sales.Customers table and the orderid, orderdate columns from the Sales.Orders table! Filter the results only for orders on or after April 1, 2008. Then sort the results based on orderdate in descending order and custid in ascending order!					
	[ Question- 32 ] Execute the 2nd stage of the test and compare it with the file 62 - Lab Exercise 2 - Task 1 Result.txt . If the results are the same, then your test is correct.					
3	The T-SQL command from the previous practicum followed by the WHERE command is as follows:  SELECT e.empid, e.lastname, e.firstname, e.title, e.mgrid, m.lastname AS mgrlastname, m.firstname AS mgrfirstname FROM HR. Employees AS e INNER JOIN HR. Employees AS m ON e.mgrid = m.empid WHERE mgrlastname = N'Buck';					



[Question- 33] Execute the T-SQL command at stage 3. Did an error occur? What is the error message? What do you think is the cause? [Question-3 4] Make changes to the T-SQL command to fix the error in the 3rd trial, then execute it! Compare the execution results with the file 63 - Lab Exercise 2 - Task 2 Result.txt. If the same, then the test result is correct. 4 63 - Lab Exercise 2 - Task 2 Result.txt mgrlastname mgrid Suurs Paul Sales Representative 5 Buck King Russell Sales Representative 5 Buck 9 Dolgopyatova Zoya Sales Representative Buck (3 row(s) affected) [ Question- 35 ] Copy the T-SQL command in experiment 4, and modify it to produce all employees ORDER BY manager's first name. Initially test using the table's original name, then test using the table's alias name! Execute the T-SQL and compare the results to the 64 - Lab Exercise 2 - Task 3 Result.txt file. If the results are the same, then the experiment was correct. 64 - Lab Exercise 2 - Task 3 Result.txt mgrid mgrlastname -----5 Lew Judy Sales Manager Funk Buck Sven Sales Manager Funk Sales Representative Cameron Maria Sales Representative 3 Lew Vice President, Sales Sales Representative Don Paul Davis Funk Buck Suurs Russell Sales Representative King Buck Dolgopyatova Zoya Sales Representative Buck (8 row(s) affected) [Question-3 6] Why can we use column names according to the original table name or use table 6 alias names? **Conclusion**: After working on the practical work and questions in this section, you should now 7

understand how to use the ORDER BY clause.

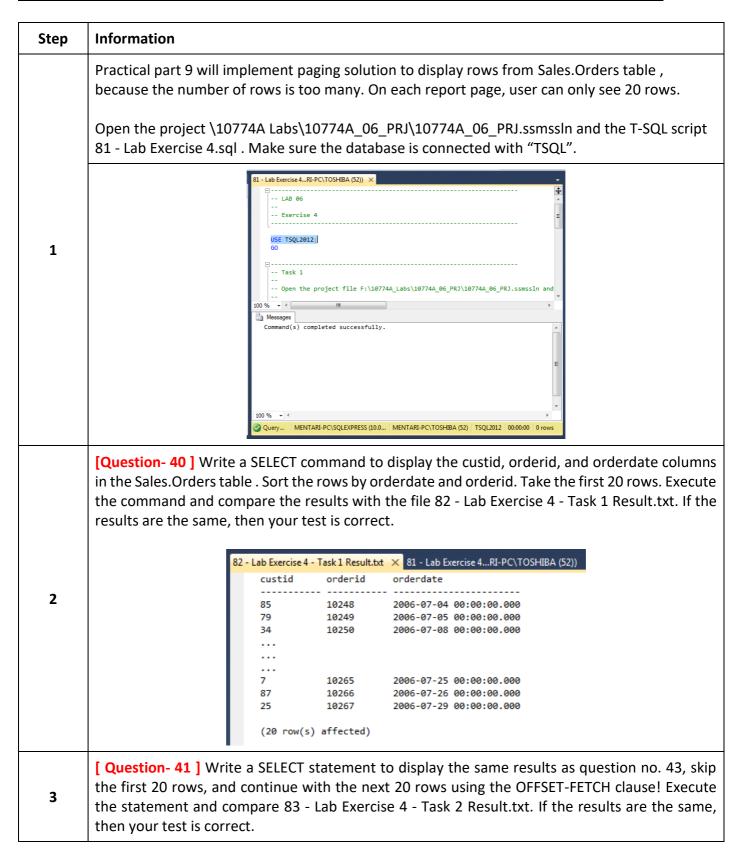


## <u>Practical – Part 12: Writing Queries Who Will Do Data Filtering with clauses TOP</u>

Step	Information					
	Part 8 of the lab uses a case study on the sales department. The sales department wants to create an additional report that shows the order invoices and the 10 percent of the most expensive products that have been sold.  Open the project \10774A Labs\10774A_06_PRJ\10774A_06_PRJ.ssmssln and the T-SQL script 71 - Lab Exercise 3.sql . Make sure the database is connected with "TSQL".					
1	71 - Lab Exercise 3_RL-PC\TOSHIBA (52)) ×					
2	[ Question- 37 ] Write a SELECT command to display the productname and unitprice columns in the Production.Products table sorted descending by unitprice! Show the execution results!					
3	[ Question- 38 ] Copy and modify the T-SQL command in trial 2 with the limitation that only 10 percent of the child products are displayed based on unitprice ordering! Execute the command, and compare whether it is in accordance with the file 73 - Lab Exercise 3 - Task 2 Result.txt.    73 - Lab Exercise 3 - Task 2 Result.txt					
4	[ Question- 39 ] Is it possible to implement the 5 trial T-SQL command using the OFFSET-FETCH clause?					
5	<b>Conclusion</b> : After completing the practical work and questions in this section, you should now understand how to apply the TOP option to the SELECT clause of the T-SQL command.					



#### Practical – Part 13: Writing Queries Who Will Filter Data with OFFSET-FETCH clause





	83 - Lab Exercise 4 - Task 2 Result.txt ×					
		custid	orderid	orderdate		
		33	10268	2006-07-30 00:00:00.000		
		89	10269	2006-07-31 00:00:00.000		
		87	10270	2006-08-01 00:00:00.000		
		63	10285	2006-08-20 00:00:00.000		
		63	10286	2006-08-21 00:00:00.000		
		67	10287	2006-08-22 00:00:00.000		
		(20 row(s	) affected)			
4	<b>Conclusion</b> : After working on the practical work and questions in this section, you should no understand how to use the OFFSET-FETCH clause in T-SQL commands.					
Ι Δ Ι				•		

-- Have a great time doing it -