**Lab 07 – Using Data Manipulation Language**  jajohnson23

1. You first need to build a table for the lab. Please type the following in your query window.



1. Write down the steps in SSMS on how to show the table structure.

sp\_help <tablename> for example to show structure for the table above: sp\_help myemp;

If you just want to know whatr column it has you can also do this:

Object Browser > Databases > HR > Tables > locationsCOPY > Columns

1. How many columns does myemp table have? What are their names?

4 (id, first\_name, last\_name, salary)

2. Using INSERT statements.

a. Add the values into **myemp** table as shown below. You do not need to specify the column names.

b. Write down a query to show the employees whose salaries are higher than 4000.

|  |  |  |  |
| --- | --- | --- | --- |
| **Id** | **First\_name** | **Last\_name** | **Salary** |
| **101** | **Charles** | **Knowles** | **6000** |
| **102** | **Cole** | **Church** | **4500** |
| **103** | **Samir** | **Kak** | **3000** |
| **104** | **Cindy** | **Johnson** | **5000** |
| **105** | **Sandy** | **Brown** | **3200** |
|  |  |  |  |

**[Answer:]**

a. INSERT INTO myemp VALUES

(101, 'Charles', 'Knowles', 6000),

(102, 'Cole', 'Church', 4500),

(103, 'Samir', 'Kak' , 3000),

(104, 'Cindy', 'Johnson', 5000),

(105, 'Sandy', 'Brown', 3200)

b. SELECT \*

FROM myemp

WHERE salary > 4000;

To view new table reflecting changes: SELECT \*

FROM myemp

3. Using UPDATE statements.

Ms. Cindy Johnson married with Mr. Charles Knowles. Hence, you need to change Cindy’s last name from Johnson into Knowles. Another good thing is that Cindy’s salary is raised by 20%. Write down a query to reflect the change on Cindy’s record based on Cindy’s employee id.

**[Answer:]** UPDATE myemp

SET salary = salary \* 1.2, last\_name = 'Knowles'

WHERE id = 104

To view new table reflecting changes: SELECT \*

FROM myemp

4. Using DELETE statement.

Unfortunately, Mr. Cole Church is not happy with his salary. He found a better job and quit. As a data manager, you need to remove Mr. Church from myemp table. Write down a query to reflect this change based on his employee id.

**[Answer:]** DELETE myemp

WHERE id = 102

To view new table reflecting changes: SELECT \*

FROM myemp

5. All of the above is completely fictitious, as you know. Now, you no longer need the table **myemp**. Write a statement on how to remove the table data as well as the table structure.

**[Answer:]** DROP TABLE myemp