Write the commands that will solve each statement. Then, apply it on Microsoft SQL Server:

* Create a table with the name COMPANY which has these columns:   
  (id INT PRIMARY KEY, name VARCHARE (50), age INT, address CHAR (50), salary FLOAT).



* Insert into the previous table this data:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | NAME | AGE | ADDRESS | SALARY |
| 5252 | Ahmed | 26 | Cairo, Egypt | 8000 |
| 782782 | Mohamed | 25 | Alexandria, Egypt | 8200 |
| 144 | Amira | 32 | Giza, Egypt | 7500 |
| 4347 | Nada | 22 | Giza, Egypt | 5000 |
| 3826 | Omar | 38 | Cairo, Egypt | 9500 |



* Insert the following row, and check if any errors occur:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 4347 | Nada | 22 | Giza, Egypt | 5000 |



* Add new columns to the precious table called ‘role’ VARCHAR (50) and ‘gender’ with type VARCHAR (10).



* Insert the following Data:
* ID: 5977
* Name: Ramy
* Age: 30

* Drop the ‘gender’ column.
* Insert new employees into the COMPANY table with the following details:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | NAME | AGE | ADDRESS | SALARY |
| 6789 | Sara | 28 | Mansoura, Egypt | 6700 |
| 7890 | Khaled | 45 | Aswan, Egypt | 10500 |
| 8901 | Hanaa | 33 | Luxor, Egypt | 8000 |
| 9012 | Youssef | 29 | Hurghada, Egypt | 7300 |
| 1234 | Laila | 41 | Alexandria, Egypt | 9200 |
| 2345 | Mahmoud | 37 | Fayoum, Egypt | 8600 |
| 3456 | Nour | 27 | Ismailia, Egypt | 6800 |
| 4567 | Ali | 50 | Port Said, Egypt | 11000 |
| 5678 | Hesham | 36 | Damietta, Egypt | 8700 |
| 6780 | Fatma | 34 | Suez, Egypt | 8200 |

* Update the role for Amira, Nada, and Ahmed to be ‘IT\_Support’.



* Update the role for Mohamed and Omar as ‘Manager’



* Select all columns from the COMPANY table where the role is 'Manager'.



* Select the unique roles from the COMPANY table.



* Delete Nada’s Data.



* Update the address and salary of Amira, the new address is ‘Cairo, Egypt’, and the new salary is 8500.



* Insert a new employee into the COMPANY table with the following details: ID = 3456, name = 'Samir', age = 40, address and salary are null.



* Select the name and salary of employees from the COMPANY table and display the salary column as Employee\_Salary.



* Select all employees from the COMPANY table where the age is greater than 30



* .
* Update the salary of all employees by 10%.



* Select all employees older than 35 or with a salary greater than 800.



* Select all employees who are older than 25 and have a salary of less than 9000.



* Select all employees who do not live in 'Cairo, Egypt'.



* Select all employees whose salary is between 5000 and 8000.



* Select the name and salary of all employees and display an additional column annual\_salary which is the salary multiplied by 12.



* Select all employees who are older than 30, have a salary greater than 7000, and do not live in 'Giza, Egypt'.

