## Exercise SQL03-EX-01:

SQL Komut1.1:

ALTER TABLE employees

ADD MAX\_SALARY DECIMAL(10, 2);

SQL Çıktı:

SQL Komut1.2:

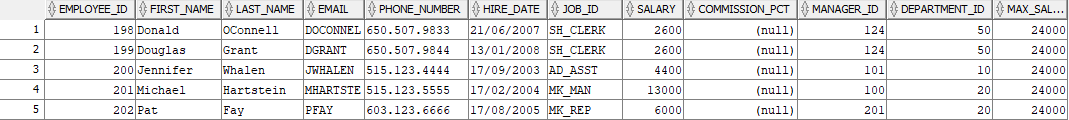
UPDATE employees

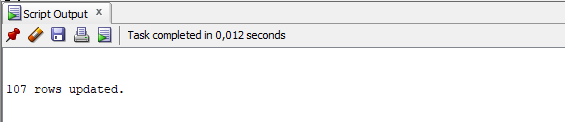
SET MAX\_SALARY = (SELECT MAX(SALARY)

FROM employees

);

SQL Çıktı:





SQL Komut1.3:

DELETE FROM employees

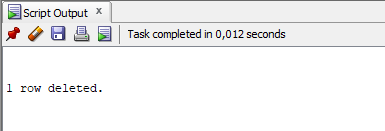
WHERE salary = (

SELECT MIN(salary)

FROM employees

);

SQL Çıktı:



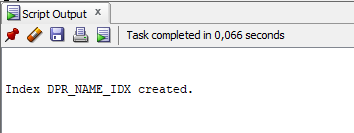
## Exercise SQL03-EX-02:

SQL Komut2.1:

CREATE INDEX DPR\_NAME\_IDX

ON DEPARTMENTS (DEPARTMENT\_NAME);

SQL Çıktı:

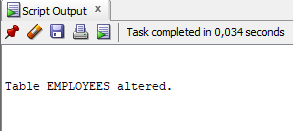
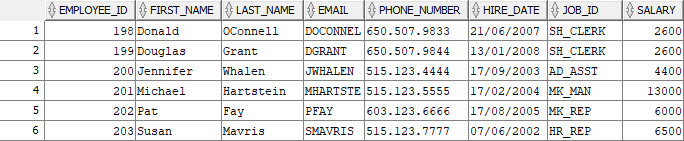


SQL Komut2.2:

ALTER TABLE employees

ADD CONSTRAINT CNSTR\_SALARY CHECK (salary >= 1000 AND salary <= 100000);

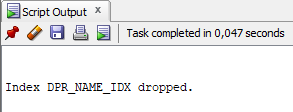
SQL Çıktı:

SQL Komut2.3:

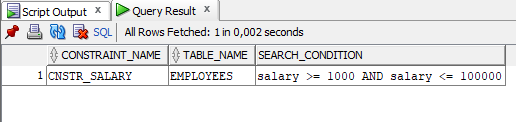
DROP INDEX DPR\_NAME\_IDX;

SQL Çıktı:

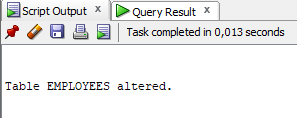


SQL Komut2.4:

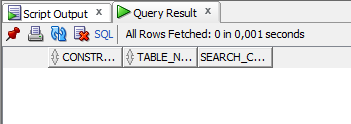
ENABLE: ALTER TABLE employees ENABLE CONSTRAINT CNSTR\_SALARY;



DISABLE: ALTER TABLE employees DISABLE CONSTRAINT CNSTR\_SALARY;



DROP: ALTER TABLE employees DROP CONSTRAINT CNSTR\_SALARY;



## Exercise SQL03-EX-03:

SQL Komut3.1:

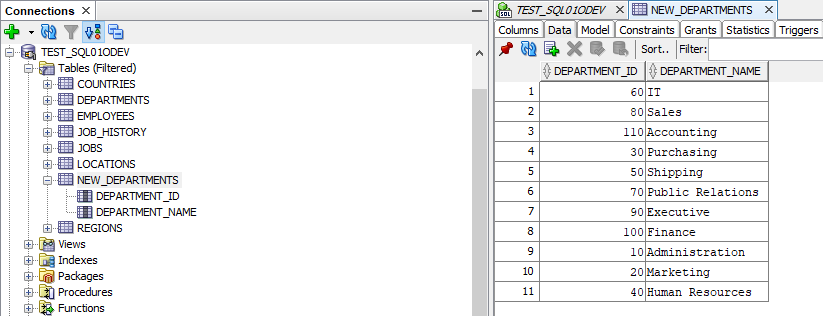
CREATE TABLE NEW\_DEPARTMENTS AS

SELECT DISTINCT e.department\_id, d.department\_name

FROM EMPLOYEES e

INNER JOIN DEPARTMENTS d ON e.department\_id = d.department\_id;

SQL Çıktı:



SQL Komut3.2:

MERGE INTO NEW\_DEPARTMENTS dd

USING DEPARTMENTS d

ON (dd.department\_id = d.department\_id)

WHEN MATCHED THEN

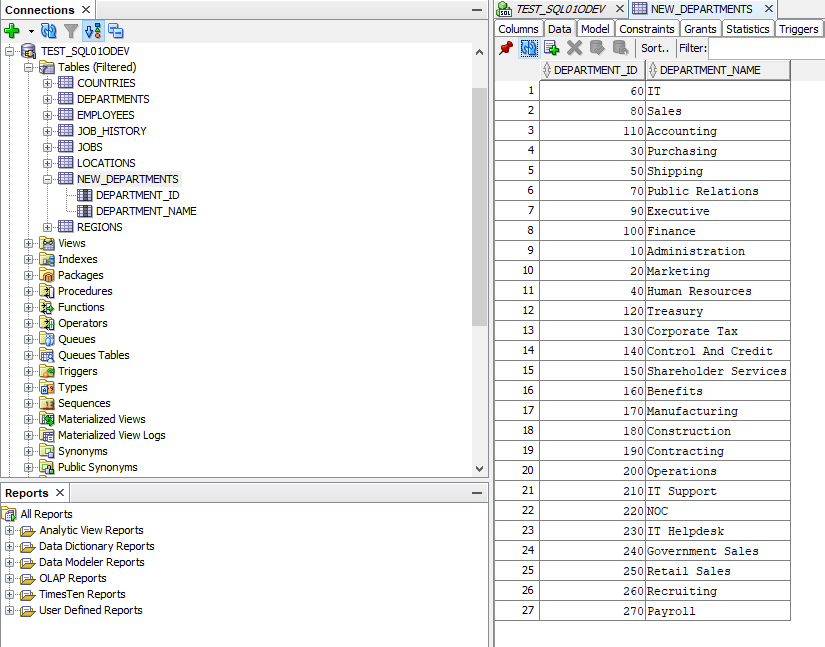
UPDATE SET dd.department\_name = d.department\_name

WHEN NOT MATCHED THEN

INSERT (department\_id, department\_name)

VALUES (d.department\_id, d.department\_name);

SQL Çıktı:



## Exercise SQL03-EX-04:

SQL Komut:

with employees\_with\_s AS (

SELECT first\_name, last\_name, job\_id, department\_id, salary

FROM employees

WHERE job\_id LIKE 'S%'

) SELECT

e.first\_name,

e.last\_name,

e.job\_id,

j.job\_title,

d.department\_name,

e.first\_name || ' ' || e.last\_name AS full\_name,

e.salary

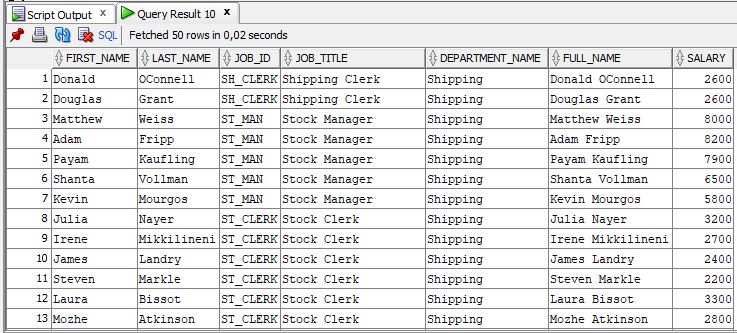
FROM employees\_with\_s e

JOIN jobs j ON e.job\_id = j.job\_id

JOIN

departments d ON e.department\_id = d.department\_id;

SQL Çıktı:



## Exercise SQL03-EX-05:

/\*-

COMMIT; This is the command that notifies Oracle that an operation has ended and requests that the changes you have made be made permanent.

ROLEBACK; ROLLBACK (Geri Dönüş): If one of the operations such as Insert, Update, Delete fails in the database, the entire process is rolled back with the ROLLBACK command.

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