

i2i Academy

Training Document

| | |
|----------------------|------------------------------------|
| Topic | Oracle SQL Language Fundamentals I |
| Document Name | SQL01-EX-04 |

| Document Difficulty Level | | | |
|---------------------------|--------------------------|--------------------------|--------------------------|
| Beginner | Junior | Senior | Expert |
| ■ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Copyright of  i2i Systems Turkey 2013

The copyright in this work is vested in i2i Systems Turkey and the information contained herein is confidential. This work (either in whole or in part) must not be modified, reproduced, disclosed or disseminated to others or used for purposes other than that for which it is supplied, without the prior written permission of i2i Systems Turkey. If this work or any part hereof is furnished to a third party by virtue of a contract with that party, use of this work by such party shall be governed by the express contractual terms between the i2i Systems Turkey which is a party to that contract and the said party.

Document History

| Date | Author | Ver | Comments |
|-------------------|---------------|-----|---------------|
| 03.10.2013 | Erman İbrişim | 1.0 | Initial Draft |

Oracle SQL Language Fundamentals I

Exercise SQL01-EX-04:

Definiton : Create a table (table name like HR.EMP) from HR.EMPLOYEES table. Insert a new row to HR.EMP table and update this employee's phone number and salary. Delete your new row and display the HR.EMP table. Finally drop your table HR.EMP.

Sample Output :

| | EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_D |
|-----|-------------|------------|-----------|---------------|--------------|----------|
| ▶ 1 | 250 | Erman | lbrisim | erman@ibrisim | 5556783245 | 3.10.201 |

| | EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY |
|-----|-------------|------------|-----------|---------------|--------------|--------------------|---------|----------|
| ▶ 1 | 250 | Erman | lbrisim | erman@ibrisim | 5328976541 | 3.10.2013 22:07:27 | IT_PROG | 15000,00 |

Objectives : To learn basic SQL keywords like INSERT, UPDATE, DELETE, DROP and CREATE TABLE from table.

Solution of SQL01-EX-04:

For solution of example, please send your answer to your supervisor.

QUERY FOR CREATING TABLE

```
CREATE TABLE HR.EMP AS (SELECT * FROM HR.employees);
DESCRIBE HR.EMP
```

RESULT

Table HR.EMP created.

| Name | Null? | Type |
|----------------|----------|--------------|
| EMPLOYEE_ID | | NUMBER(6) |
| FIRST_NAME | | VARCHAR2(20) |
| LAST_NAME | NOT NULL | VARCHAR2(25) |
| EMAIL | NOT NULL | VARCHAR2(25) |
| PHONE_NUMBER | | VARCHAR2(20) |
| HIRE_DATE | NOT NULL | DATE |
| JOB_ID | NOT NULL | VARCHAR2(10) |
| SALARY | | NUMBER(8,2) |
| COMMISSION_PCT | | NUMBER(2,2) |
| MANAGER_ID | | NUMBER(6) |
| DEPARTMENT_ID | | NUMBER(4) |

QUERY FOR CHANGE MODIFY HIRE_DATE COLUMN AND INSERT ROW

```
ALTER TABLE hr.emp
MODIFY HIRE_DATE TIMESTAMP;
INSERT INTO HR.emp
(employee_id, first_name, last_name, email, phone_number, hire_date, job_id, salary)
VALUES (250, 'Erman', 'İbrisi', 'erman@ibrisim', '5556783245', TO_TIMESTAMP('03-10-2013 22:07:27'), 'IT_PROG', 10000.00)
```

RESULT

| | | | | | | | |
|-----|--------------|-----------|----------|--------------|-----------------------------|------------|-------|
| 100 | 199 Douglas | Grant | DGRANT | 650.507.9844 | 13/01/2008 00:00:00,0000... | SH_CLERK | 2600 |
| 101 | 200 Jennifer | Whalen | JWHALEN | 515.123.4444 | 17/09/2003 00:00:00,0000... | AD_ASST | 4400 |
| 102 | 201 Michael | Hartstein | MHARTSTE | 515.123.5555 | 17/02/2004 00:00:00,0000... | MK_MAN | 13000 |
| 103 | 202 Pat | Fay | PFAY | 603.123.6666 | 17/08/2005 00:00:00,0000... | MK_REP | 6000 |
| 104 | 203 Susan | Mavris | SMAVRIS | 515.123.7777 | 07/06/2002 00:00:00,0000... | HR_REP | 6500 |
| 105 | 204 Hermann | Baer | HBAER | 515.123.8888 | 07/06/2002 00:00:00,0000... | PR_REP | 10000 |
| 106 | 205 Shelley | Higgins | SHIGGINS | 515.123.8080 | 07/06/2002 00:00:00,0000... | AC_MGR | 12008 |
| 107 | 206 William | Gietz | WGIEZT | 515.123.8181 | 07/06/2002 00:00:00,0000... | AC_ACCOUNT | 8300 |
| 108 | 250 Erman | İbrisi | erman... | 5556783245 | 03/10/2013 22:07:27,0000... | IT_PROG | 10000 |

QUERY FOR CHANGE INSERTED ROW'S SALARY AND PHONE_NUMBER

```
UPDATE HR.emp
SET phone_number='5328976541', salary=15000.00
WHERE employee_id=250
```

RESULT

| | | | | | | | |
|-----|--------------|-----------|----------|--------------|-----------------------------|------------|-------|
| 99 | 190 Douglas | Grant | DGRANT | 650.507.9844 | 13/01/2008 00:00:00,0000... | SH_CLERK | 2600 |
| 100 | 199 Douglas | Grant | DGRANT | 650.507.9844 | 13/01/2008 00:00:00,0000... | SH_CLERK | 2600 |
| 101 | 200 Jennifer | Whalen | JWHALEN | 515.123.4444 | 17/09/2003 00:00:00,0000... | AD_ASST | 4400 |
| 102 | 201 Michael | Hartstein | MHARTSTE | 515.123.5555 | 17/02/2004 00:00:00,0000... | MK_MAN | 13000 |
| 103 | 202 Pat | Fay | PFAY | 603.123.6666 | 17/08/2005 00:00:00,0000... | MK_REP | 6000 |
| 104 | 203 Susan | Mavris | SMAVRIS | 515.123.7777 | 07/06/2002 00:00:00,0000... | HR_REP | 6500 |
| 105 | 204 Hermann | Baer | HBAER | 515.123.8888 | 07/06/2002 00:00:00,0000... | PR_REP | 10000 |
| 106 | 205 Shelley | Higgins | SHIGGINS | 515.123.8080 | 07/06/2002 00:00:00,0000... | AC_MGR | 12008 |
| 107 | 206 William | Gietz | WGIEZT | 515.123.8181 | 07/06/2002 00:00:00,0000... | AC_ACCOUNT | 8300 |
| 108 | 250 Erman | İbrisi | erman... | 5328976541 | 03/10/2013 22:07:27,0000... | IT_PROG | 15000 |

QUERY FOR DROP TABLE

```
DROP TABLE HR.EMP;
```

RESULT

Table HR.EMP dropped.

