ASSESSMENT -2

NAME: ALOK SINHA

REG. NO.: 17BCE2380

SLOT: D2

SQL*Plus: Release 11.2.0.1.0 Production on Thu Aug 23 09:46:52 2018

Enter user-name: 17BCE2380@VITORA

Enter password:

Connected to:

Oracle Database 11g Enterprise Edition Release 11.1.0.7.0 - Production

With the Partitioning, OLAP, Data Mining and Real Application Testing options

```
SQL> create table employee(empid number(2),name varchar2(10),dept varchar2(10),s
upervisor varchar2(10),address varchar2(10),salary number(8),exp_yr number(2));

Table created.

SQL> desc employee;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
```

EMPID	NUMBER(2)
NAME	VARCHAR2(10)
DEPT	VARCHAR2(10)
SUPERVISOR	VARCHAR2(10)
ADDRESS	VARCHAR2(10)
SALARY	NUMBER(8)
EXP_YR	NUMBER(2)

```
SQL> insert into employee values(&empid,'&name','&dept','&supervisior','&address
',&salary,&emp_yr);
Enter value for empid: 1
Enter value for name: ALOK
Enter value for dept: COMPUTER
Enter value for supervisior: ALOK
Enter value for address: VELLORE
Enter value for salary: 50000
Enter value for exp_yr: 12
old   1: insert into employee values(&empid,'&name','&dept','&supervisior','&add
ress',&salary,&exp_yr)
new   1: insert into employee values(1,'ALOK','COMPUTER','','VELLORE',50000,12)

1 row created.

SQL> /
```

```
SQL> /
Enter value for empid: 2
Enter value for name: BIBEK
Enter value for dept: COMPUTER
Enter value for supervisior:
Enter value for address: VELLORE
Enter value for salary: 40000
Enter value for exp_yr: 14
old   1: insert into employee values(&empid,'&name','&dept','&supervisior','&add
ress',&salary,&exp_yr)
new   1: insert into employee values(2,'BIBEK','COMPUTER','','VELLORE',40000,14)

1 row created.

SQL> /
Enter value for empid: 3
Enter value for name: ARYAN
Enter value for dept: COMPUTER
Enter value for supervisior: RASHI
Enter value for address: KATPADI
Enter value for salary: 60000
Enter value for exp_yr: 13
old   1: insert into employee values(&empid,'&name','&dept','&supervisior','&add
```

ress',&salary,&exp_yr)

new 1: insert into employee values(3,'ARYAN','COMPUTER','NANDA','KATPADI',6000

0,13)

1 row created.

SQL> /

Enter value for empid: 4

Enter value for name: YOGESH

Enter value for dept: MECHANI

Enter value for supervisior: ALOK

Enter value for address: DELHI

Enter value for salary: 10000

Enter value for exp_yr: 1

old 1: insert into employee values(&empid,'&name','&dept','&supervisior','&add

ress',&salary,&exp_yr)

new 1: insert into employee values(4,'YOGESH','MECHANI','NANDA','DELHI',10000,

1)

1 row created.

SQL> /

Enter value for empid: 5

Enter value for name: RASHI

Enter value for dept: ABCDEFG

Enter value for supervisior:

Enter value for address: VELLORE

Enter value for salary: 20000

Enter value for exp_yr: 5

old 1: insert into employee values(&empid,'&name','&dept','&supervisior','&add

ress',&salary,&exp_yr)

new 1: insert into employee values(5,'RASHI','ABCDEFG','','VELLORE',20000,5)

1 row created.

1 row created.

SQL> /

Enter value for empid: 6

Enter value for name: PAYAL

Enter value for dept: ABCDEFG

Enter value for supervisior: PAYAL

Enter value for address: MUMBAI

Enter value for salary: 20000

Enter value for exp_yr: 4

old 1: insert into employee values(&empid,'&name','&dept','&supervisior','&add

ress',&salary,&exp_yr)

new 1: insert into employee values(6,'PAYAL','ABCDEFG','RAMESH','MUMBAI',20000

,4)

1 row created.

SQL> /

Enter value for empid: 7

Enter value for name: AMIT

Enter value for dept: ABCDEFG

Enter value for supervisior: PAYAL

Enter value for address: ANDHRA

Enter value for salary: 80000

Enter value for exp_yr: 7

old 1: insert into employee values(&empid,'&name','&dept','&supervisior','&add

ress',&salary,&exp_yr)

new 1: insert into employee values(7,'AMIT','ABCDEFG','RAMESH','ANDHRA',80000,

7)

1 row created.

SQL> /

Enter value for empid: 8

Enter value for name: PRITIKA

Enter value for dept: ABCDEFG

Enter value for supervisior: PAYAL

Enter value for address: ANDHRA

Enter value for salary: 50000

Enter value for exp_yr: 15

```
old   1: insert into employee values(&empid,'&name','&dept','&supervisior','&add
ress',&salary,&exp_yr)
new   1: insert into employee values(8,'PRITIKA','ABCDEFG','RAMESH','ANDHRA',500
00,15)

1 row created.

SQL> /
Enter value for empid: 9
Enter value for name: SUNNY
Enter value for dept: ELECTRO
Enter value for supervisior: PAYAL
Enter value for address: RANCHI
Enter value for salary: 60000
Enter value for exp_yr: 12
old   1: insert into employee values(&empid,'&name','&dept','&supervisior','&add
ress',&salary,&exp_yr)
new   1: insert into employee values(9,'SUNNY','ELECTRO','MYTHILI','RANCHI',6000
0,12)

1 row created.

SQL> /
Enter value for empid: 10
Enter value for name: JASMINE
```

Enter value for dept: COMPUTER

Enter value for supervisior:

Enter value for address: VELLORE

Enter value for salary: 5000

Enter value for exp_yr: 11

old 1: insert into employee values(&empid,'&name','&dept','&supervisior','&add

ress',&salary,&exp_yr)

new 1: insert into employee values(10,'JASMINE','COMPUTER','','VELLORE',5000,1

1)

1 row created.

SQL> SELECT * FROM EMPLOYEE;

EMPID	NAME	DEPT	SUPERVISOR	ADDRESS	SALARY	EXP_YR
1	ALOK	COMPUTER	ALOK	VELLORE	50000	12
2	BIBEK	COMPUTER		VELLORE	40000	14
3	ARYAN	COMPUTER	RASHI	KATPADI	60000	12
4	YOGESH	MECHANI	ALOK	DELHI	10000	1
5	RASHI	ABCDEFG		VELLORE	20000	5

6	PAYAL	ABCDEFG	PAYAL	MUMBAI	20000	4
7	AMIT	ABCDEFG	PAYAL	ANDHRA	80000	7
8	PRITIKA	ABCDEFG	PAYAL	ANDHRA	50000	15
9	SUNNY	ELECTRO	PAYAL	RANCHI	65000	12
10	JASMINE	COMPUTER		VELLORE	5000	11

10 rows selected.

1. Find the employee names having salary greater than Rs.25000.

SQL> SELECT NAME FROM EMPLOYEE WHERE SALARY>25000;

NAME

ALOK

BIBEK

ARYAN

AMIT

PRITIKA

SUNNY

6 rows selected.

SQL> SELECT EMPID, NAME FROM EMPLOYEE WHERE SALARY>25000;

```
    EMPID NAME
---------- ----------
         1 ALOK
         2 BIBEK
         3 ARYAN
         7 AMIT
         8 PRITIKA
         9 SUNNY

6 rows selected.
```

2. Find the employee names whose salary lies in the range between 30000 and 70000

SQL> SELECT NAME FROM EMPLOYEE WHERE SALARY BETWEEN 30000 AND 70000;

```
NAME
----------
ALOK
BIBEK
ARYAN
PRITIKA
```

SUNNY

SQL> SELECT EMPID, NAME FROM EMPLOYEE WHERE SALARY BETWEEN 30000 AND 70000;

EMPID NAME

---------- ----------

1 ALOK

2 BIBEK

3 ARYAN

8 PRITIKA

9 SUNNY

3. Find the employees who have no supervisor.

SQL> SELECT NAME FROM EMPLOYEE WHERE SUPERVISOR IS NULL;

NAME

BIBEK

RASHI

JASMINE

4. Display the employee names having ‘Vellore’ in their address.

SQL> SELECT NAME FROM EMPLOYEE WHERE ADDRESS='VELLORE';

NAME

ALOK

BIBEK

RASHI

JASMINE

SQL> SELECT EMPID, NAME FROM EMPLOYEE WHERE ADDRESS='VELLORE';

EMPID NAME

---------- ----------

1 ALOK

2 BIBEK

5 RASHI

10 JASMINE

5. Display the department names that starts with ’C’ (Minimum three departments).

SQL> SELECT NAME FROM EMPLOYEE WHERE DEPT LIKE 'C%';

NAME

ALOK

BIBEK

ARYAN

JASMINE

SQL> SELECT EMPID, NAME FROM EMPLOYEE WHERE DEPT LIKE 'C%';

EMPID	NAME
1	ALOK
2	BIBEK
3	ARYAN
10	JASMINE

6. Update the salary of employees by ten percent who's having more than 10 years' experience and display the result.

SQL> SELECT * FROM EMPLOYEE;

EMPID	NAME	DEPT	SUPERVISOR	ADDRESS	SALARY	EXP_YR
1	ALOK	COMPUTER	ALOK	VELLORE	50000	12
2	BIBEK	COMPUTER		VELLORE	40000	14
3	ARYAN	COMPUTER	RASHI	KATPADI	60000	12

4 YOGESH MECHANI ALOK DELHI 10000 1

5 RASHI ABCDEFG VELLORE 20000 5

6 PAYAL ABCDEFG PAYAL MUMBAI 20000 4

7 AMIT ABCDEFG PAYAL ANDHRA 80000 7

8 PRITIKA ABCDEFG PAYAL ANDHRA 50000 15

9 SUNNY ELECTRO PAYAL RANCHI 65000 12

10 JASMINE COMPUTER VELLORE 5000 11

10 rows selected.

SQL> UPDATE EMPLOYEE SET SALARY=SALARY+SALARY*0.1 WHERE EXP_YR>10;

6 rows updated.

SQL> SELECT * FROM EMPLOYEE;

EMPID NAME DEPT SUPERVISOR ADDRESS SALARY EXP_YR

---------- ---------- ---------- ---------- ---------- ---------- ----------

1 ALOK COMPUTER ALOK VELLORE 55000 12

2 BIBEK COMPUTER VELLORE 44000 14

3 ARYAN COMPUTER RASHI KATPADI 66000 12

4 YOGESH MECHANI ALOK DELHI 10000 1

5 RASHI ABCDEFG VELLORE 20000 5

6 PAYAL ABCDEFG PAYAL MUMBAI 20000 4

7 AMIT ABCDEFG PAYAL ANDHRA 80000 7

8 PRITIKA ABCDEFG PAYAL ANDHRA 55000 15

9 SUNNY ELECTRO PAYAL RANCHI 71500 12

10 JASMINE COMPUTER VELLORE 5500 11

10 rows selected.

7. Display the department names' that ends with 'G' (Minimum three departments).

SQL> SELECT EMPID, NAME FROM EMPLOYEE WHERE DEPT LIKE '%G';

EMPID NAME

---------- ----------

5 RASHI

6 PAYAL

7 AMIT

8 PRITIKA

SQL> SELECT NAME FROM EMPLOYEE WHERE DEPT LIKE '%G';

NAME

RASHI

PAYAL

AMIT

PRITIKA

8. Display all the department names in upper case and lower case

SQL> SELECT UPPER(DEPT) FROM EMPLOYEE;

UPPER(DEPT

COMPUTER

COMPUTER

COMPUTER

MECHANI

ABCDEFG

ABCDEFG

ABCDEFG

ABCDEFG

ELECTRO

COMPUTER

10 rows selected.

SQL> SELECT LOWER(DEPT) FROM EMPLOYEE;

LOWER(DEPT

---

computer

computer

computer

mechani

abcdefg

abcdefg

abcdefg

abcdefg

electro

computer

10 rows selected.

9. Display the first four characters and last four of the department names using ltrim and rtrim.

SQL> select rtrim(dept,(substr(dept,5,(length(dept))))) from employee;

RTRIM(DEPT

COMP

COMP

COMP

MECH

ABCD

ABCD

ABCD

ABCD

ELEC

COMP

10 rows selected.

SQL> select ltrim(dept,(substr(dept,0,(length(dept)-4)))) from employee;

LTRIM(DEPT

UTER

UTER

UTER

HANI

DEFG

DEFG

DEFG

DEFG

CTRO

UTER

10 rows selected.

10. Display the employeeID and employee name having more than 5 years of experience.

SQL> SELECT EMPID,NAME FROM EMPLOYEE WHERE EXP_YR>5;

```
    EMPID NAME
---------- ----------
         1 ALOK
         2 BIBEK
         3 ARYAN
         7 AMIT
         8 PRITIKA
         9 SUNNY
        10 JASMINE
```

7 rows selected.