ASSESSMENT 28/12/2019

1.

create user Deloitte identified by deloitte;

2.

SQL> password

Changing password for DELOITTE

Old password:deloitte

New password:DELOITTE

Retype new password:DELOITTE

Password changed

SQL>

3

CORRECTED SCRIPTS

//worker creation

CREATE TABLE Worker (

WORKER\_ID INT NOT NULL PRIMARY KEY,

FIRST\_NAME VARCHAR(25),

LAST\_NAME varCHAR(25),

SALARY NUMBER(15),

JOINING\_DATE Timestamp,

DEPARTMENT CHAR(25)

);

//insert into worker

INSERT INTO Worker

(WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES

(001, 'Monika', 'Arora', 100000, '14-FEB-20 09.00.00', 'HR');

INSERT INTO Worker

(WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES

(002, 'Niharika', 'Verma', 80000, '14-JUN-11 09.00.00', 'Admin');

INSERT INTO Worker

(WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES

(003, 'Vishal', 'Singhal', 300000, '14-FEB-20 09.00.00', 'HR');

INSERT INTO Worker

(WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES

(004, 'Amitabh', 'Singh', 500000, '14-FEB-20 09.00.00', 'Admin');

INSERT INTO Worker

(WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES

(005, 'Vivek', 'Bhati', 500000, '14-JUN-11 09.00.00', 'Admin');

INSERT INTO Worker

(WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES

(006, 'Vipul', 'Diwan', 200000, '14-JUN-11 09.00.00', 'Account');

INSERT INTO Worker

(WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES

(007, 'Satish', 'Kumar', 75000, '14-JAN-20 09.00.00', 'Account');

INSERT INTO Worker

(WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES

(008, 'Geetika', 'Chauhan', 90000, '14-APR-11 09.00.00', 'Admin');

//Bonus table

CREATE TABLE Bonus (

WORKER\_REF\_ID INT,

BONUS\_AMOUNT Number(10),

BONUS\_DATE DATE,

FOREIGN KEY (WORKER\_REF\_ID)

REFERENCES Worker(WORKER\_ID)

ON DELETE CASCADE

);

INSERT INTO Bonus

(WORKER\_REF\_ID, BONUS\_AMOUNT, BONUS\_DATE) VALUES

(001, 5000, '16-FEB-20');

INSERT INTO Bonus

(WORKER\_REF\_ID, BONUS\_AMOUNT, BONUS\_DATE) VALUES

(002, 3000, '16-JUN-11');

INSERT INTO Bonus

(WORKER\_REF\_ID, BONUS\_AMOUNT, BONUS\_DATE) VALUES

(003, 4000, '16-FEB-20');

INSERT INTO Bonus

(WORKER\_REF\_ID, BONUS\_AMOUNT, BONUS\_DATE) VALUES

(001, 4500, '16-FEB-20');

INSERT INTO Bonus

(WORKER\_REF\_ID, BONUS\_AMOUNT, BONUS\_DATE) VALUES

(002, 3500, '16-JUN-11');

//title

CREATE TABLE Title (

WORKER\_REF\_ID INT,

WORKER\_TITLE CHAR(25),

AFFECTED\_FROM DATE,

FOREIGN KEY (WORKER\_REF\_ID)

REFERENCES Worker(WORKER\_ID)

ON DELETE CASCADE

);

INSERT INTO Title

(WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) VALUES

(001, 'Manager', '20-FEB-2016');

INSERT INTO Title

(WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) VALUES

(002, 'Executive', '11-JUN-2016');

INSERT INTO Title

(WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) VALUES

(008, 'Executive', '11-JUN-2016');

INSERT INTO Title

(WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) VALUES

(005, 'Manager', '11-JUN-2016');

INSERT INTO Title

(WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) VALUES

(004, 'Asst. Manager', '11-JUN-2016');

INSERT INTO Title

(WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) VALUES

(007, 'Executive', '11-JUN-2016');

INSERT INTO Title

(WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) VALUES

(006, 'Lead', '11-JUN-2016');

INSERT INTO Title

(WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) VALUES

(003, 'Lead', '11-JUN-2016');

4

select first\_name as WORKER\_NAME

FROM WORKER;

5

select UPPER(first\_name) as WORKER\_NAME

FROM WORKER;

6

select distinct department

FROM WORKER;

7

select instr(lower(first\_name),'a')

FROM WORKER;

8

select substr(first\_name,1,3)

FROM WORKER;

9

select RTRIM(first\_name)

FROM WORKER;

10

select LTRIM(department)

FROM WORKER;

11

select distinct department ,length(TRIM(department)) FROM WORKER;

12

select Replace(first\_name,'A','a')

from worker;

13

select TRIM(first\_name)||' '||TRIM(last\_name) as Complete\_name

FROM WORKER;

14

select \*

FROM WORKER

order by first\_name ASC;

15

select \*

FROM WORKER

order by first\_name ASC,Department DESC;

16

select \*

FROM WORKER

where lower(first\_name)='vipul'

or lower(first\_name)='satish';

17

select \*

FROM WORKER

where lower(first\_name)NOT in ('vipul','satish');

18

select \*

FROM WORKER

where lower(department)='admin';

19

select \*

FROM WORKER

where lower(first\_name) like '%a%';

20

select \*

FROM WORKER

where lower(trim(first\_name)) like '%a';

21

select \*

FROM WORKER

where lower(trim(first\_name)) like '%h'

and length(trim(first\_name))=6;

22

SET SERVEROUTPUT ON;

DECLARE

v\_max\_deptno number(10);

BEGIN

select max(department\_id)

into v\_max\_deptno

from tbldepartments;

DBMS\_OUTPUT.put\_line(v\_max\_deptno);

END;

23

SET SERVEROUTPUT ON;

DECLARE

"SELECT" varchar2(10);

BEGIN

DBMS\_OUTPUT.put\_line('hello, printed with reserved keyword'||"SELECT");

END;

24

set serveroutput on

Declare

number1 int(20):=1;

begin

dbms\_output.put\_line('global variable'||' '||number1);

declare

number2 int(20):=2;

begin

dbms\_output.put\_line('local variable'||' '||number2);

end;

dbms\_output.put\_line('global variable'||' '||number1);

end;

25

set serveroutput on

Declare

v\_new\_sal number(10);

begin

select salary

into v\_new\_sal

from tblemployees

where employee\_id=&new;

v\_new\_sal:= v\_new\_Sal\*1.2;

--showing a increase of 20%

dbms\_output.put\_line('new salary is ' || v\_new\_Sal);

end;