```
SQL> DROP TABLE Agent;

Table dropped.

SQL> DROP TABLE Orders;

Table dropped.

SQL> --Q1
SQL> CREATE TABLE Agent(Agent_code varchar(5), Agent_name varchar(10), Working_area varchar(10), commision number(2,2), Phone_no number, country varchar(10) null);

Table created.

SQL> CREATE TABLE Orders(Ord_num varchar(3), Ord_amount number, Advance_amount number, Ord_date date, Cust_code varchar(4), Agent_code varchar(5), Description varchar(20) null);

Table created.

SQL> INSERT INTO Agent VALUES('Ac001','Ramesh','Bangalore',0.15,0331234567,'India');

1 row created.

SQL> INSERT INTO Agent VALUES('Ac002','Dinesh','Bangalore',0.25,0331234568,'');

1 row created.

SQL> INSERT INTO Agent VALUES('Ac003','Suresh','Mumbai',0.35,0331234569,'London');

1 row created.

SQL> INSERT INTO Agent VALUES('Ac004','Kamlesh','Newjersey',0.68,0331234564,'');

1 row created.

SQL> INSERT INTO Agent VALUES('Ac005','Kartik','Chennai',0.73,0331234563,'India');

1 row created.

SQL> INSERT INTO Orders VALUES('004', 200, 3000, '15-aug-2020','C004','Ac001','Masala kulcha');
```

```
Command Prompt - sqlplus                                                    _  □  ✕

SQL> INSERT INTO Orders VALUES('007', 600, 5000, '17-sep-2020','C006','Ac003','Biriyani');

1 row created.

SQL> INSERT INTO Orders VALUES('008', 700, 100, '19-feb-2019','C007','Ac005','');

1 row created.

SQL> INSERT INTO Orders VALUES('009', 10000, 600, '21-march-2010','C009','Ac008','Masala dosa');

1 row created.

SQL> INSERT INTO Orders VALUES('010', 20, 600, '21-april-2012','C006','Ac005','');

1 row created.

SQL> SELECT * FROM Agent;

AGENT AGENT_NAME WORKING_AR  COMMISION   PHONE_NO COUNTRY
----- ---------- ---------- ---------- ---------- ----------
Ac001 Ramesh     Bangalore         .15 331234567 India
Ac002 Dinesh     Bangalore         .25 331234568
Ac003 Suresh     Mumbai            .35 331234569 London
Ac004 Kamlesh    Newjersey         .68 331234564
Ac005 Kartik     Chennai           .73 331234563 India

SQL> SELECT * FROM Orders;

ORD ORD_AMOUNT ADVANCE_AMOUNT ORD_DATE  CUST AGENT DESCRIPTION
--- ---------- -------------- --------- ---- ----- --------------------
004        200           3000 15-AUG-20 C004 Ac001 Masala kulcha
007        600           5000 17-SEP-20 C006 Ac003 Biriyani
008        700            100 19-FEB-19 C007 Ac005
009      10000            600 21-MAR-10 C009 Ac008 Masala dosa
010         20            600 21-APR-12 C006 Ac005

SQL> --a)
SQL> SELECT Ord_num, Ord_amount, Ord_date, Cust_code, Agent_code FROM Orders WHERE Agent_code in
  2  (SELECT Agent_code FROM Agent WHERE Working_area='Bangalore');
```

```
SQL> --a)
SQL> SELECT Ord_num, Ord_amount, Ord_date, Cust_code, Agent_code FROM Orders WHERE Agent_code in
  2  (SELECT Agent_code FROM Agent WHERE Working_area='Bangalore');

ORD ORD_AMOUNT ORD_DATE   CUST AGENT
--- ---------- --------- ---- -----
004        200 15-AUG-20 C004 Ac001

SQL> --b)
SQL> SELECT Ord_num, Ord_amount, Cust_code, Agent_code FROM Orders WHERE Agent_code in
  2  (SELECT Agent_code FROM Agent WHERE Agent_name='Ramesh');

ORD ORD_AMOUNT CUST AGENT
--- ---------- ---- -----
004        200 C004 Ac001

SQL> --Q2
SQL> CREATE TABLE employees(employee_id varchar(3), first_name varchar(10), last_name varchar(10), email varchar(15), phone_number number, hire_date date , job_id varchar(6
), salary number, manager_id varchar(5) null, department_id number);
CREATE TABLE employees(employee_id varchar(3), first_name varchar(10), last_name varchar(10), email varchar(15), phone_number number, hire_date date , job_id varchar(6), sa
lary number, manager_id varchar(5) null, department_id number)
           *
ERROR at line 1:
ORA-00955: name is already used by an existing object


SQL> INSERT INTO employees VALUES( '700', 'Hasmukh', 'Patel', 'hp@gmail.com', 7003216160, '15-aug-2020', 'Hp003', 7000, '', 90);

1 row created.

SQL> INSERT INTO employees VALUES( '800', 'Kamlesh', 'Paul', 'kp@gmail.com', 7003216170, '17-feb-2020', 'Kp004', 8000, '506', 90);

1 row created.

SQL> INSERT INTO employees VALUES( '900', 'Dinesh', 'Gandhi', 'dp@yahoo', 9136278563, '19-mar-2101', 'Dg006', 20000, '508', 80);

1 row created.

SQL> INSERT INTO employees VALUES( '701', 'Suresh', 'Modi', 'sm@dg.com', 9187653294, '20-april-2015', 'Sp003', 15000, '', 80);

1 row created.
```

```
Command Prompt - sqlplus                                                        ─  ▢  ✕

SQL> --a)
SQL> SELECT employee_id, manager_id, first_name, last_name FROM employees WHERE manager_id!=null;

no rows selected

SQL> --b)
SQL> SELECT employee_id, manager_id, first_name, last_name FROM employees WHERE manager_id=null;

no rows selected

SQL>
SQL> --Q3
SQL> DROP TABLE Orders;

Table dropped.

SQL> CREATE TABLE salesman(salesman_id varchar(10), name varchar(10), city varchar(10), commision number(2,2));
CREATE TABLE salesman(salesman_id varchar(10), name varchar(10), city varchar(10), commision number(2,2))
          *
ERROR at line 1:
ORA-00955: name is already used by an existing object


SQL> CREATE TABLE Orders(Ord_num varchar(3), Purch_amt number, Ord_date date, Customer_id varchar(5), salesman_id varchar(10));

Table created.

SQL> INSERT INTO salesman VALUES('si123@06', 'Lakshmi', 'Kolkata', 0.5);

1 row created.

SQL> INSERT INTO salesman VALUES('si123@09', 'Ganesh', 'London', 0.6);

1 row created.

SQL> INSERT INTO salesman VALUES('si123@90', 'Dinesh', 'London', 0.3);

1 row created.

SQL> INSERT INTO salesman VALUES('si123@10', 'Joseph', 'Chennai', 0.6);
```

```
Command Prompt - sqlplus

SQL> INSERT INTO salesman VALUES('si123@90', 'Dinesh', 'London', 0.3);

1 row created.

SQL> INSERT INTO salesman VALUES('si123@10', 'Joseph', 'Chennai', 0.6);

1 row created.

SQL> INSERT INTO salesman VALUES('si123@19', 'Mahesh', 'Hyderabad', 0.65);

1 row created.

SQL> INSERT INTO salesman VALUES('si123@26', 'Paul Adam', 'London', 0.1);

1 row created.

SQL> INSERT INTO salesman VALUES('si123@67', 'Rahul', 'Delhi', 0.4);

1 row created.

SQL> INSERT INTO Orders VALUES('123', 600, '20-aug-2010', '003cd', 'si123@19');

1 row created.

SQL> INSERT INTO Orders VALUES('576', 750, '20-feb-2018', '004cd', 'si123@19');

1 row created.

SQL> INSERT INTO Orders VALUES('579', 800, '20-may-2012', '004cd', 'si123@26');

1 row created.

SQL> INSERT INTO Orders VALUES('600', 60000, '20-jan-2021', '006cd', 'si123@10');

1 row created.

SQL> INSERT INTO Orders VALUES('700', 745, '26-jan-2021', '007cd', 'si123@09');

1 row created.

SQL> INSERT INTO Orders VALUES('800', 860, '29-jan-2019', '007cd', 'si123@26');
```

```
1 row created.

SQL>
SQL> SELECT * FROM salesman;

SALESMAN_I NAME       CITY       COMMISION
---------- ---------- ---------- ----------
si123@06   Lakshmi    Kolkata          .5
si123@09   Ganesh     London           .6
si123@90   Dinesh     London           .3
si123@10   Joseph     Chennai          .6
si123@19   Mahesh     Hyderabad        .65
si123@26   Paul Adam  London           .1
si123@67   Rahul      Delhi            .4

7 rows selected.

SQL> SELECT * FROM Orders;

ORD  PURCH_AMT ORD_DATE   CUSTO SALESMAN_I
--- ---------- --------- ----- ----------
123        600 20-AUG-10 003cd si123@19
576        750 20-FEB-18 004cd si123@19
579        800 20-MAY-12 004cd si123@26
600      60000 20-JAN-21 006cd si123@10
700        745 26-JAN-21 007cd si123@09
800        860 29-JAN-19 007cd si123@26

6 rows selected.

SQL> --a)
SQL> SELECT * FROM Orders WHERE salesman_id in
  2  (SELECT salesman_id FROM salesman WHERE name='Paul Adam');

ORD  PURCH_AMT ORD_DATE   CUSTO SALESMAN_I
--- ---------- --------- ----- ----------
800        860 29-JAN-19 007cd si123@26
579        800 20-MAY-12 004cd si123@26

SQL> --b)
SQL> SELECT * FROM Orders WHERE salesman_id in
```

```
SQL> --a)
SQL> SELECT * FROM Orders WHERE salesman_id in
  2  (SELECT salesman_id FROM salesman WHERE name='Paul Adam');

ORD  PURCH_AMT ORD_DATE  CUSTO SALESMAN_I
--- ---------- --------- ----- ----------
800        860 29-JAN-19 007cd si123@26
579        800 20-MAY-12 004cd si123@26

SQL> --b)
SQL> SELECT * FROM Orders WHERE salesman_id in
  2  (SELECT salesman_id FROM salesman WHERE city='London');

ORD  PURCH_AMT ORD_DATE  CUSTO SALESMAN_I
--- ---------- --------- ----- ----------
700        745 26-JAN-21 007cd si123@09
800        860 29-JAN-19 007cd si123@26
579        800 20-MAY-12 004cd si123@26

SQL>
```