#### 1.Schema for Tech Resume

## Table1:tech\_person

SQL> create table tech\_person(techpersonid number(10),name varchar2(20) NOT NULL,city varchar2(20),email varchar2(20) NOT NULL,phonenumber varchar2(10),workexperience number(10) NOT NULL,joiningdate DATE,nooftechnologies number(20),PRIMARY KEY(techpersonid),check(length(phonenumber)=10));

Table created.

# **Table2: technologies**

SQL> create table technologies(technologyid number(10),techpersonid number(10),technology varchar2(20) NOT NULL,PRIMARY KEY(technologyid),FOREIGN KEY(techpersonid) references tech\_person(techpersonid) on delete cascade);

Table created.

## Table3:Projects

SQL> create table projects(projectid number(10),techpersonid number(10),projectname varchar2(20) NOT NULL,PRIMARY KEY(projectid)FOREIGN KEY(techpersonid) references tech\_person(techpersonid) on delete cascade);

Table created.

## 2. Tables After Inserting Sample Data

```
QL> select * from tech_person;
ECHPERSONID NAME
                                                      EMAIL
                                                                           PHONENUMBE WORKEXPERIENCE JOININGDA NOOFTECHNOLOGIES
                                 Hyderabad
                                                      abc@gmail.com
                                                                           8080994567
                                                                                                   2 16-JAN-20
                                                                                                   4 16-JAN-20
         2 sai
                                 Hyderabad
                                                      xyz@gmail.com
                                                                           9009445566
                                                                           9009115566
          3 vardhan
                                 Hyderabad
                                                      pqr@gmail.com
                                                                                                   1 16-JAN-20
         4 Nikitha
                                                                                                    5 16-JAN-20
                                 Bangalore
                                                      snr@gmail.com
                                                                           7080901020
         5 Meghana
                                                                           7010102033
                                 Bangalore
                                                      meghana@gmail.com
                                                                                                    2 16-JAN-20
         6 Manasa
                                                      manas@gmail.com
                                 Delhi
                                                                           8010302033
                                                                                                    3 16-JAN-20
                                                      vure@gmail.com
          7 Teja
                                 Delhi
                                                                           7990302033
                                                                                                    3 16-JAN-20
         8 pruthvi
                                                      belly@gmail.com
                                                                           9920302033
                                                                                                    4 16-JAN-20
 rows selected.
```

```
TECHNOLOGYID TECHPERSONID TECHNOLOGY

1 1 javascript
2 1 html
3 1 python
4 2 python
5 2 python
6 3 html
7 3 javascript
8 4 c
9 4 python
10 5 javascript
11 5 html

TECHNOLOGYID TECHPERSONID TECHNOLOGY

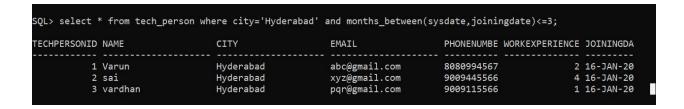
12 6 html
13 7 html
14 8 javascript

14 rows selected.
```

SQL> select * from projects;		
PROJECTID TECHPERSONID		PROJECTNAME
1		shoppingcart
2	1	drvisit
3	2	chatapp
4	2	eventmgmt
5	3	eventmgmt
6		shoppingcart
7		librarymgmt
8		attendencemgmt
9		navigator
10		librarymgmt
11		noticeboard
PROJECTID TECHPERSON	NID	PROJECTNAME
12	8	attendencemgmt
1 1		

## 3. Queries:

a. Get list of candidates based in 'Hyderabad' which were added to the system in the past 3 months.



b. Get count of candidates in all cities, who know javascript and html.

```
SQL> select city,count(*) as count from tech_person where techpersonid in (select techpersonid from technologies where technology='javascript') and techpersonid in (select techpersonid from technologies echnology='javascript') and techpersonid in (select techpersonid from technology='javascript') and techpers
```

c. Get list of all candidates sorted by "maximum number of technologies known to him/her".

d. Create a view that HR can query everyday to get the new candidates added previous day. (Include all necessary fields required by HR).

SQL> create view HR as (select name,email,phonenumber,city,workexperience,nooftechnologies from tech\_person); View created. SQL> select \* from HR; NAME EMAIL PHONENUMBE CITY WORKEXPERIENCE NOOFTECHNOLOGIES 8080994567 Hyderabad Varun abc@gmail.com 9009445566 Hyderabad sai xyz@gmail.com 9009115566 Hyderabad vardhan pqr@gmail.com Nikitha 7080901020 Bangalore snr@gmail.com Meghana meghana@gmail.com 7010102033 Bangalore manas@gmail.com 8010302033 Delhi Manasa Teja vure@gmail.com 7990302033 Delhi pruthvi 9920302033 Chennai belly@gmail.com 8 rows selected.