

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,phonenum number(10),workexperience number(10) NOT NULL,joiningdate DATE,nooftechnologies number(20),PRIMARY KEY(techpersonid),check(length(phonenum)=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

```
SQL> select * from tech_person;
```

TECHPERSONID	NAME	CITY	EMAIL	PHONENUMBE	WORKEXPERIENCE	JOININGDA	NOOFTECHNOLOGIES
1	Varun	Hyderabad	abc@gmail.com	8080994567	2	16-JAN-20	3
2	sai	Hyderabad	xyz@gmail.com	9009445566	4	16-JAN-20	2
3	vardhan	Hyderabad	pqr@gmail.com	9009115566	1	16-JAN-20	2
4	Nikitha	Bangalore	snr@gmail.com	7080901020	5	16-JAN-20	2
5	Meghana	Bangalore	meghana@gmail.com	7010102033	2	16-JAN-20	2
6	Manasa	Delhi	manas@gmail.com	8010302033	3	16-JAN-20	1
7	Teja	Delhi	vure@gmail.com	7990302033	3	16-JAN-20	1
8	pruthvi	Chennai	belly@gmail.com	9920302033	4	16-JAN-20	1

8 rows selected.

```
SQL> select * from technologies;
```

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	1	shoppingcart
2	1	drvisit
3	2	chatapp
4	2	eventmgmt
5	3	eventmgmt
6	3	shoppingcart
7	4	librarymgmt
8	5	attendencemgmt
9	6	navigator
10	7	librarymgmt
11	7	noticeboard

PROJECTID	TECHPERSONID	PROJECTNAME
12	8	attendencemgmt

3.Queries:

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

```
SQL> select * from tech_person where city='Hyderabad' and months_between(sysdate,joiningdate)<=3;
```

TECHPERSONID	NAME	CITY	EMAIL	PHONENUMBE	WORKEXP	JOININGDA
1	Varun	Hyderabad	abc@gmail.com	8080994567	2	16-JAN-20
2	sai	Hyderabad	xyz@gmail.com	9009445566	4	16-JAN-20
3	vardhan	Hyderabad	pqr@gmail.com	9009115566	1	16-JAN-20

- 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 where technology='html') group by city;
```

CITY	COUNT
Bangalore	1
Hyderabad	2
Chennai	1

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

```
SQL> select name as CandidateName,nooftechnologies as Total_No_Of_Tech_Known from tech_person order by nooftechnologies desc;
```

CANDIDATENAME	TOTAL_NO_OF_TECH_KNOWN
Varun	3
vardhan	2
sai	2
Nikitha	2
Meghana	2
Manasa	1
Teja	1
pruthvi	1

8 rows selected.

- 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,phonenumbe,city,workexperience,nooftechnologies from tech_person);
View created.

SQL> select * from HR;
```

NAME	EMAIL	PHONENUMBE	CITY	WORKEXP	NOOFTECH
Varun	abc@gmail.com	8080994567	Hyderabad	2	3
sai	xyz@gmail.com	9009445566	Hyderabad	4	2
vardhan	pqr@gmail.com	9009115566	Hyderabad	1	2
Nikitha	snr@gmail.com	7080901020	Bangalore	5	2
Meghana	meghana@gmail.com	7010102033	Bangalore	2	2
Manasa	manas@gmail.com	8010302033	Delhi	3	1
Teja	vure@gmail.com	7990302033	Delhi	3	1
pruthvi	belly@gmail.com	9920302033	Chennai	4	1

```
8 rows selected.
```