

1. create a table named tblParents in Student schema, the Create table definition will be as following(minimum 20 entry is required)

commands :-

Step 1. create database student;

Step 2. use student;

```
mysql> use student;
Database changed
```

Step 3. create table tblParents (Parents_ID int, Parent_name varchar(50),City varchar(20),Age int, Annual_income float, occupation varchar(50),Email_Idvarchar(100));

```
mysql> Select * from tblParents;
+-----+-----+-----+-----+-----+-----+-----+
| Parents_ID | Parent_name | City | Age | Annual_income | occupation | Email_Id |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | Manoj | Mumbai | 48 | 550000 | Auto-Driver | manoj@gmail.com |
+-----+-----+-----+-----+-----+-----+-----+
```

Step 4. insert into tblParents(Parents_ID,Parent_name, City, Age, Annual_income,Occupation,Email_Id) values (1,'Manoj','Mumbai',48,550000,'Auto-Driver','manoj@gmail.com');

```
mysql> Select * from tblParents;
+-----+-----+-----+-----+-----+-----+-----+
| Parents_ID | Parent_name | City | Age | Annual_income | occupation | Email_Id |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | Manoj | Mumbai | 48 | 550000 | Auto-Driver | manoj@gmail.com |
+-----+-----+-----+-----+-----+-----+-----+
```

Step 5. select*from student;

```
mysql> select * from tblParents;
+-----+-----+-----+-----+-----+-----+-----+
| Parents_ID | Parent_name | City | Age | Annual_income | occupation | Email_Id |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | Manoj | Mumbai | 48 | 550000 | Auto-Driver | manoj@gmail.com |
| 2 | Durgaprasad | thane | 47 | 450000 | Mechanic | Durgaprasad@gmail.com |
| 3 | rajpati | kalaw | 45 | 620000 | cab-Driver | 123raj@gmail.com |
| 4 | santosh | Ahmedabad | 39 | 700000 | stock-market -Trader | santosh1@gmail.com |
| 5 | Rohit | Delhi | 49 | 560000 | business man | rohit23@gmail.com |
| 6 | Yogesh | chennai | 40 | 270000 | Software devloper | yogesh23@gmail.com |
| 7 | manish | banglore | 30 | 350000 | Java devloper | manish1234@gmail.com |
| 8 | Vishal | banglore | 45 | 360000 | dot net devloper | manish1234@gmail.com |
| 9 | Vikash | Ahmedabad | 35 | 450000 | Doctor | Drvikash@gmail.com |
| 10 | hariom | Mumbai | 35 | 654000 | Lawyer | harimo12@gmail.com |
| 11 | Rinshu | delhi | 45 | 754000 | stock broker | rinshu12@gmail.com |
| 12 | nilesh | kalaw | 27 | 554000 | medical representative | nilesh@yhoo.com |
| 13 | rinkesh | kolakat | 42 | 756000 | Medical representative | rinkesh@gmail.com |
| 14 | Sachin | mumbai | 35 | 952000 | cyber security expret | sachin@gmail.com |
| 15 | Suraj | Kurla | 34 | 840000 | network engineer | suraj@gmail.com |
| 16 | vijay | Ahmedabad | 38 | 650000 | Digital marketing | vijay@gmail.com |
| 17 | ajay | banglore | 31 | 456000 | Data science | ajay@gmail.com |
| 18 | vinod | chennai | 42 | 740000 | Data operator | vinod@gmail.com |
| 19 | Rajesh | hyderabad | 39 | 456000 | Businessman | rajesh@gmail.com |
| 20 | vimal | kerala | 49 | 350000 | Invester | vimal@gmail.com |
+-----+-----+-----+-----+-----+-----+-----+
20 rows in set (0.00 sec)
```

2. update email id of each parents as "NA".

command :-

update tblParent set Email_id = 'N/A' where Parent_id >=1;

```
mysql> update tblParents set Email_id ='N/A' where Parents_Id >=1;
Query OK, 20 rows affected (0.01 sec)
Rows matched: 20  Changed: 20  Warnings: 0

mysql> select * from tblParents;
```

Parents_ID	Parent_name	City	Age	Annual_income	occupation	Email_Id
1	Manoj	Mumbai	48	550000	Auto-Driver	N/A
2	Durgaprasad	thane	47	450000	Mechanic	N/A
3	rajpati	kalaw	45	620000	cab-Driver	N/A
4	santosh	Ahmedabad	39	700000	stock-market -Trader	N/A
5	Rohit	Delhi	49	560000	business man	N/A
6	Yogesh	chennai	40	270000	Software devloper	N/A
7	manish	banglore	30	350000	Java devloper	N/A
8	Vishal	banglore	45	360000	dot net devloper	N/A
9	Vikash	Ahmedabad	35	450000	Doctor	N/A
10	hariom	Mumbai	35	654000	Lawyer	N/A
11	Rinshu	delhi	45	754000	stock broker	N/A
12	nilesh	kalaw	27	554000	medical representative	N/A
13	rinkesh	kolakat	42	756000	Medical representative	N/A
14	Sachin	mumbai	35	952000	cyber security expret	N/A
15	Suraj	Kurla	34	840000	network engineer	N/A
16	vijay	Ahmedabad	38	650000	Digital marketing	N/A
17	ajay	banglore	31	456000	Data science	N/A
18	vinod	chennai	42	740000	Data operater	N/A
19	Rajesh	hyderabad	39	456000	Businessman	N/A
20	vimal	kerala	49	350000	Invester	N/A

3. count number of parents whose annual income is more than 6 lakhs.

Command :-

select count(*) from tblParents where Annual_income>600000;

```
mysql> select count(*) from tblParents where annual_income <600000;
+-----+
| count(*) |
+-----+
|      11 |
+-----+
1 row in set (0.01 sec)

mysql> select count(*) from tblParents where Annual_income >600000;
+-----+
| count(*) |
+-----+
|       9 |
+-----+
1 row in set (0.00 sec)
```

4. Select parents who are living in city Ahmedabad, Delhi, Mumbai, Chennai, Bangalore

command :-

```
select * from tblParents where city in ('Ahmedabad','mumbai','chennai','thane','banglore','delhi');
```

```
mysql> select *from tblParents where city ('ahmedabad', 'Delhi','mumabi','thane','chennai', 'banglore');
ERROR 1305 (42000): FUNCTION student.city does not exist
mysql> select *from tblParents where city in ('ahmedabad', 'Delhi','mumabi','thane','chennai', 'banglore');
```

Parents_ID	Parent_name	City	Age	Annual_income	occupation	Email_Id
2	Durgaprasad	thane	47	450000	Mechanic	N/A
4	santosh	Ahmedabad	39	700000	stock-market -Trader	N/A
5	Rohit	Delhi	49	560000	business man	N/A
6	Yogesh	chennai	40	270000	Software devloper	N/A
7	manish	banglore	30	350000	Java devloper	N/A
8	Vishal	banglore	45	360000	dot net devloper	N/A
9	Vikash	Ahmedabad	35	450000	Doctor	N/A
11	Rinshu	delhi	45	754000	stock broker	N/A
16	vijay	Ahmedabad	38	650000	Digital marketing	N/A
17	ajay	banglore	31	456000	Data science	N/A
18	vinod	chennai	42	740000	Data operater	N/A

11 rows in set (0.04 sec)

5. Write a SQL statement to select parent whose annual income is less than 5 lakhs otherwise age is more than 45.

Command :-

```
select* from tblParents where age >45 or annual_income >500000;
```

```
mysql> select *from tblParents where age >45 or annual_income >500000;
```

Parents_ID	Parent_name	City	Age	Annual_income	occupation	Email_Id
1	Manoj	Mumbai	48	550000	Auto-Driver	N/A
2	Durgaprasad	thane	47	450000	Mechanic	N/A
3	rajpati	kalaw	45	620000	cab-Driver	N/A
4	santosh	Ahmedabad	39	700000	stock-market -Trader	N/A
5	Rohit	Delhi	49	560000	business man	N/A
10	hariom	Mumbai	35	654000	Lawyer	N/A
11	Rinshu	delhi	45	754000	stock broker	N/A
12	nilesh	kalaw	27	554000	medical representative	N/A
13	rinkesh	kolakat	42	756000	Medical representative	N/A
14	Sachin	mumbai	35	952000	cyber security expret	N/A
15	Suraj	Kurla	34	840000	network engineer	N/A
16	vijay	Ahmedabad	38	650000	Digital marketing	N/A
18	vinod	chennai	42	740000	Data operater	N/A
20	vimal	kerala	49	350000	Investor	N/A

14 rows in set (0.00 sec)

