Assignment

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

- parent id
- parents name
- city
- age
- annual income
- occupation
- emailed

Querry :-

Output:

```
mysql> select * from tblparents;
+-----------+--------------+--------+------+---------------+----------------+---------------------+
| parent_id | Parents_name | City   | Age  | annual_income | Occupation     | EmailId             |
+-----------+--------------+--------+------+---------------+----------------+---------------------+
|         1 | Iqbal        | Mumbai |   22 |        600000 | CA             | iqbal@gmail.com     |
|         2 | Alex         | USA    |   36 |        750000 | Developer      | alex@gmail.com      |
|         3 | Lisa         | UK     |   36 |       2600000 | Advocate       | lisa@gmail.com      |
|         4 | James        | Dubai  |   56 |        550000 | Developer      | james@gmail.com     |
|         5 | Jean         | USA    |   36 |        750000 | Developer      | alex@gmail.com      |
|         6 | Diluc        | USA    |   36 |        750000 | Devops         | diluc@gmail.com     |
|         7 | Klee         | USA    |   36 |        750000 | Babysitter     | klee@gmail.com      |
|         8 | Ningaung     | USA    |   36 |        320000 | Councellor     | ning@gmail.com      |
|         9 | Thoma        | USA    |   36 |        450000 | General Service | thoma@gmail.com     |
|        10 | Ei           | USA    |   36 |        120000 | MD             | Ei@gmail.com        |
|        11 | Sara         | Japan  |   30 |        450000 | Teacher        | sara@gmail.com      |
|        12 | Mona         | Russia |   36 |        960000 | Developer      | mona@gmail.com      |
|        13 | Marjore      | Korea  |   31 |        230000 | Developer      | marjore@gmail.com   |
|        14 | Luck         | USA    |   32 |        550000 | Developer      | luck@gmail.com      |
|        15 | Fishcl       | Brazil |   26 |        200000 | GameDeveloper  | fish@gmail.com      |
|        16 | Alexendar    | China  |   29 |        340000 | Desginer       | alexender@gmail.com |
|        17 | Arthur       | Uk     |   58 |       8500000 | Pentester      | alex@gmail.com      |
|        18 | Lex          | USA    |   36 |        660000 | Employee       | lex@gmail.com       |
|        19 | Azazel       | India  |   42 |         75000 | Painter        | azazel@gmail.com    |
|        20 | Tobio        | Japan  |   32 |       2500000 | Engineer       | tobio@gmail.com     |
+-----------+--------------+--------+------+---------------+----------------+---------------------+
20 rows in set (0.00 sec)
```

2. update email id of each parents as “NA”.

```
mysql> update tblparents set EmailId = "NA";
Query OK, 20 rows affected (0.21 sec)
Rows matched: 20  Changed: 20  Warnings: 0

mysql> select * from tblparents;
+-----------+--------------+--------+------+---------------+-----------------+---------+
| parent_id | Parents_name | City   | Age  | annual_income | Occupation      | EmailId |
+-----------+--------------+--------+------+---------------+-----------------+---------+
|         1 | Iqbal        | Mumbai |   22 |        600000 | CA              | NA      |
|         2 | Alex         | USA    |   36 |        750000 | Developer       | NA      |
|         3 | Lisa         | UK     |   36 |       2600000 | Advocate        | NA      |
|         4 | James        | Dubai  |   56 |        550000 | Developer       | NA      |
|         5 | Jean         | USA    |   36 |        750000 | Developer       | NA      |
|         6 | Diluc        | USA    |   36 |        750000 | Devops          | NA      |
|         7 | Klee         | USA    |   36 |        750000 | Babysitter      | NA      |
|         8 | Ningaung     | USA    |   36 |        320000 | Councellor      | NA      |
|         9 | Thoma        | USA    |   36 |        450000 | General Service | NA      |
|        10 | Ei           | USA    |   36 |        120000 | MD              | NA      |
|        11 | Sara         | Japan  |   30 |        450000 | Teacher         | NA      |
|        12 | Mona         | Russia |   36 |        960000 | Developer       | NA      |
|        13 | Marjore      | Korea  |   31 |        230000 | Developer       | NA      |
|        14 | Luck         | USA    |   32 |        550000 | Developer       | NA      |
|        15 | Fishcl       | Brazil |   26 |        200000 | GameDeveloper   | NA      |
|        16 | Alexendar    | China  |   29 |        340000 | Desginer        | NA      |
|        17 | Arthur       | Uk     |   58 |       8500000 | Pentester       | NA      |
|        18 | Lex          | USA    |   36 |        660000 | Employee        | NA      |
|        19 | Azazel       | India  |   42 |         75000 | Painter         | NA      |
|        20 | Tobio        | Japan  |   32 |       2500000 | Engineer        | NA      |
+-----------+--------------+--------+------+---------------+-----------------+---------+
20 rows in set (0.00 sec)
```

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

```
mysql> select count(parent_id) from tblparents where annual_income > 600000;
+------------------+
| count(parent_id) |
+------------------+
|                9 |
+------------------+
1 row in set (0.10 sec)
```

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

```
mysql> select Parents_name from tblparents where City = "'Mumbai', 'Ahmedabad', 'Delhi', 'Mumbai', 'Chennai', 'Banglore'";
Empty set (0.00 sec)
```

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

```
mysql> select Parents_name from tblparents where annual_income < 500000 || age > 45;
+--------------+
| Parents_name |
+--------------+
| James        |
| Ningaung     |
| Thoma        |
| Ei           |
| Sara         |
| Marjore      |
| Fishcl       |
| Alexendar    |
| Arthur       |
| Azazel       |
+--------------+
10 rows in set, 1 warning (0.06 sec)
```

6.

```
mysql> create table students (sid int not null auto_increment primary key, sname varchar(30), math int, science int, pid
 int, foreign key(pid) references tblparents(parent_id));
Query OK, 0 rows affected (0.18 sec)
```

```
mysql> select * from students;
+-----+-------+------+---------+------+
| sid | sname | math | science | pid  |
+-----+-------+------+---------+------+
| 101 | Iqbal |   56 |      82 |    1 |
| 102 | rahul |   22 |      82 |    2 |
+-----+-------+------+---------+------+
2 rows in set (0.00 sec)
```

Assignment 2

Q1.Create tables that show items, company city and also the units sold by each pizza company

```
mysql> select * from company;
+----+------------+---------------+
| Id | name       | compancity    |
+----+------------+---------------+
|  1 | Dominos    | Los Angeles   |
|  2 | Pizza Hut  | San Francisco |
|  3 | Papa johns | San Diego     |
|  4 | Ah Pizz    | Fermont       |
|  5 | Nino Pizza | Las Vegas     |
|  6 | Pizzeria   | Boston        |
+----+------------+---------------+
6 rows in set (0.00 sec)
```

```
mysql> select * from items;
+--------+--------------+-----------+-----------+
| itemid | itemname     | unitssold | companyid |
+--------+--------------+-----------+-----------+
|      1 | large pizza  |         5 |      NULL |
|      2 | garlic knots |         6 |      NULL |
|      3 | large pizza  |         3 |      NULL |
|      4 | midium pizza |         8 |      NULL |
|      5 | breadsticks  |         7 |      NULL |
|      6 | medium pizza |        11 |      NULL |
+--------+--------------+-----------+-----------+
6 rows in set (0.00 sec)
```

```
mysql> select * from company inner join items on company.Id= items.itemid;
+----+------------+---------------+--------+--------------+-----------+
| Id | name       | compancity    | itemid | itemname     | unitssold |
+----+------------+---------------+--------+--------------+-----------+
|  1 | Dominos    | Los Angeles   |      1 | large pizza  |         5 |
|  2 | Pizza Hut  | San Francisco |      2 | garlic knots |         6 |
|  3 | Papa johns | San Diego     |      3 | large pizza  |         3 |
|  4 | Ah Pizz    | Fermont       |      4 | midium pizza |         8 |
|  5 | Nino Pizza | Las Vegas     |      5 | breadsticks  |         7 |
|  6 | Pizzeria   | Boston        |      6 | medium pizza |        11 |
+----+------------+---------------+--------+--------------+-----------+
6 rows in set (0.00 sec)
```