**31253 – Assignment 3**

1. Find the Student details and Placement details using NATURAL JOIN.

**select \* from Student natural join PlacementDrive;**

+----------+-------+------+-----------------+------+----------+------------+---------------+-------------+----------------+

| drive\_id | s\_id | t\_id | s\_name | CGPA | s\_branch | s\_dob | Pcompany\_name | package\_LPA | location |

+----------+-------+------+-----------------+------+----------+------------+---------------+-------------+----------------+

| 101 | 31253 | 501 | Ninad More | 9.98 | CE | 18-03-2003 | Google | 25 | Pune |

| 110 | 31263 | 510 | Pranay Agrawal | 9.9 | CE | 25-12-2003 | Microsoft | 20 | Mumbai |

| 104 | 31262 | 504 | Peeyush Kulgude | 9.69 | CE | 07-07-2003 | Amazon | 22 | Mumbai |

| 108 | 31254 | 508 | Karan Mundada | 9.42 | CE | 17-02-2003 | Deutsch Bank | 21 | Banglore |

| 106 | 31258 | 506 | Abcedf Khfh | 8.69 | IT | 09-01-2003 | Google | 15 | Pune |

| 105 | 31255 | 505 | Reed Wise | 8.42 | IT | 17-02-2003 | Barclays | 17 | Pune |

| 102 | 31261 | 502 | Xywsc Hbhw | 9.19 | IT | 30-05-2003 | Bajaj Finser | 17.5 | Banglore |

| 103 | 31256 | 503 | Ghewf Thwb | 10 | IT | 06-06-2003 | Amazon | 27 | Pune |

| 107 | 31259 | 507 | Shoyo Blitz | 10 | ENTC | 01-01-2003 | Microsoft | 20 | Silicon Valley |

| 109 | 31260 | 509 | Ken Kaneki | 9.18 | ENTC | 04-07-2003 | Flipkart | 14 | Mumbai |

+----------+-------+------+-----------------+------+----------+------------+---------------+-------------+----------------+

2. Find all the student details with company\_name who have conducted in same drive

**SELECT s.s\_id, s.s\_name, s.drive\_id, GROUP\_CONCAT(pd.Pcompany\_name) AS company\_names FROM Student s JOIN PlacementDrive pd ON s.drive\_id = pd.drive\_id GROUP BY s.drive\_id, s.s\_id, s.s\_name;**

+-------+-----------------+----------+---------------+

| s\_id | s\_name | drive\_id | company\_names |

+-------+-----------------+----------+---------------+

| 31253 | Ninad More | 101 | Google |

| 31261 | Xywsc Hbhw | 102 | Bajaj Finser |

| 31256 | Ghewf Thwb | 103 | Amazon |

| 31262 | Peeyush Kulgude | 104 | Amazon |

| 31255 | Reed Wise | 105 | Barclays |

| 31258 | Abcedf Khfh | 106 | Google |

| 31259 | Shoyo Blitz | 107 | Microsoft |

| 31254 | Karan Mundada | 108 | Deutsch Bank |

| 31260 | Ken Kaneki | 109 | Flipkart |

| 31263 | Pranay Agrawal | 110 | Microsoft |

+-------+-----------------+----------+---------------+

3. List all the Student name and Student branch of Student having package 5 LPA

**select s.s\_name, s\_branch, pd.package\_LPA from Student s join PlacementDrive pd on s.drive\_id = pd.drive\_id where pd.package\_LPA in (20);**

+----------------+----------+-------------+

| s\_name | s\_branch | package\_LPA |

+----------------+----------+-------------+

| Pranay Agrawal | CE | 20 |

| Shoyo Blitz | ENTC | 20 |

+----------------+----------+-------------+

4.List all the student names ,company\_name having T\_fee more than 20000

**select s.s\_name, t.Tcompany\_name,t.T\_fee from Student s join Training t on s.t\_id = t.t\_id where T\_fee > 20000;**

+---------------+---------------+----------+

| s\_name | Tcompany\_name | T\_fee |

+---------------+---------------+----------+

| Karan Mundada | Tata | 26450 |

| Reed Wise | Redhat | 20498.75 |

+---------------+---------------+----------+

5. Display all training details attended by ‘ninad” in year 2020.

**select s.s\_name, t.\* from Student s join Training t on s.t\_id = t.t\_id where s\_name="Ninad More" and T\_year=2020;**

+------------+------+---------------+-------+--------+

| s\_name | t\_id | Tcompany\_name | T\_fee | T\_year |

+------------+------+---------------+-------+--------+

| Ninad More | 501 | Amazon | 15000 | 2020 |

+------------+------+---------------+-------+--------+

6. list the total number of companies who conduct training before 2021.

**select \* from Training where T\_year < 2021;**

+------+---------------+----------+--------+

| t\_id | Tcompany\_name | T\_fee | T\_year |

+------+---------------+----------+--------+

| 501 | Amazon | 15000 | 2020 |

| 504 | Mastercard | 17192.5 | 2019 |

| 508 | Tata | 26450 | 2019 |

| 505 | Redhat | 20498.75 | 2019 |

| 502 | MMT | 12500 | 2020 |

| 503 | Amazon | 15208.75 | 2019 |

| 507 | Mastercard | 17192.5 | 2019 |

| 509 | Tata | 14000 | 2020 |

| 510 | Amazon | 13800 | 2019 |

| 504 | Mastercard | 13000 | 2020 |

| 510 | Amazon | 12000 | 2019 |

+------+---------------+----------+--------+

7. List the students name with company ‘Microsoft’ and location ’Thane’.

**select s.s\_name, p.Pcompany\_name, p.location from Student s join PlacementDrive p on s.drive\_id = p.drive\_id where Pcompany\_name = "Amazon" and location = "Pune";**

+------------+---------------+----------+

| s\_name | Pcompany\_name | location |

+------------+---------------+----------+

| Ghewf Thwb | Amazon | Pune |

+------------+---------------+----------+

8. Find the names of all Students who have joined ‘Microsoft ‘ training in 2015 .

**select s.s\_name, t.Tcompany\_name, t.T\_year from Student s join Training t on s.t\_id = t.t\_id where Tcompany\_name="Amazon" and T\_year=2020;**

+------------+---------------+--------+

| s\_name | Tcompany\_name | T\_year |

+------------+---------------+--------+

| Ninad More | Amazon | 2020 |

+------------+---------------+--------+

9. Create a view showing the Student and Training details.

**create view StuTrain as select \* from Student natural join Training;**

**select \* from StuTrain;**

+------+-------+----------+-----------------+------+----------+------------+---------------+----------+--------+

| t\_id | s\_id | drive\_id | s\_name | CGPA | s\_branch | s\_dob | Tcompany\_name | T\_fee | T\_year |

+------+-------+----------+-----------------+------+----------+------------+---------------+----------+--------+

| 501 | 31253 | 101 | Ninad More | 9.98 | CE | 18-03-2003 | Amazon | 15000 | 2020 |

| 510 | 31263 | 110 | Pranay Agrawal | 9.9 | CE | 25-12-2003 | Tata | 19000 | 2021 |

| 504 | 31262 | 104 | Peeyush Kulgude | 9.69 | CE | 07-07-2003 | Mastercard | 17192.5 | 2019 |

| 508 | 31254 | 108 | Karan Mundada | 9.42 | CE | 17-02-2003 | Tata | 26450 | 2019 |

| 506 | 31258 | 106 | Abcedf Khfh | 8.69 | IT | 09-01-2003 | Google | 10000 | 2021 |

| 505 | 31255 | 105 | Reed Wise | 8.42 | IT | 17-02-2003 | Redhat | 20498.75 | 2019 |

| 502 | 31261 | 102 | Xywsc Hbhw | 9.19 | IT | 30-05-2003 | MMT | 12500 | 2020 |

| 503 | 31256 | 103 | Ghewf Thwb | 10 | IT | 06-06-2003 | Amazon | 15208.75 | 2019 |

| 507 | 31259 | 107 | Shoyo Blitz | 10 | ENTC | 01-01-2003 | Mastercard | 17192.5 | 2019 |

| 509 | 31260 | 109 | Ken Kaneki | 9.18 | ENTC | 04-07-2003 | Tata | 14000 | 2020 |

| 510 | 31263 | 110 | Pranay Agrawal | 9.9 | CE | 25-12-2003 | Amazon | 13800 | 2019 |

| 503 | 31256 | 103 | Ghewf Thwb | 10 | IT | 06-06-2003 | Google | 11000 | 2021 |

| 504 | 31262 | 104 | Peeyush Kulgude | 9.69 | CE | 07-07-2003 | Mastercard | 13000 | 2020 |

| 510 | 31263 | 110 | Pranay Agrawal | 9.9 | CE | 25-12-2003 | Amazon | 12000 | 2019 |

| 503 | 31256 | 103 | Ghewf Thwb | 10 | IT | 06-06-2003 | Google | 11000 | 2021 |

+------+-------+----------+-----------------+------+----------+------------+---------------+----------+--------+

10. Perform Manipulation on simple view-Insert, update, delete, drop view.

**create view SimpleView as select s\_id,s\_name,CGPA from Student;**

+-------+-----------------+------+

| s\_id | s\_name | CGPA |

+-------+-----------------+------+

| 31253 | Ninad More | 9.98 |

| 31263 | Pranay Agrawal | 9.9 |

| 31262 | Peeyush Kulgude | 9.69 |

| 31254 | Karan Mundada | 9.42 |

| 31258 | Abcedf Khfh | 8.69 |

| 31255 | Reed Wise | 8.42 |

| 31261 | Xywsc Hbhw | 9.19 |

| 31256 | Ghewf Thwb | 10 |

| 31259 | Shoyo Blitz | 10 |

| 31260 | Ken Kaneki | 9.18 |

| 31209 | Sukuna | 8.69 |

+-------+-----------------+------+

Insertion:

**insert into SimpleView values(31201,"Eren",7.69);**

**select \* from SimpleView;**

+-------+-----------------+------+

| s\_id | s\_name | CGPA |

+-------+-----------------+------+

| 31253 | Ninad More | 9.98 |

| 31263 | Pranay Agrawal | 9.9 |

| 31262 | Peeyush Kulgude | 9.69 |

| 31254 | Karan Mundada | 9.42 |

| 31258 | Abcedf Khfh | 8.69 |

| 31255 | Reed Wise | 8.42 |

| 31261 | Xywsc Hbhw | 9.19 |

| 31256 | Ghewf Thwb | 10 |

| 31259 | Shoyo Blitz | 10 |

| 31260 | Ken Kaneki | 9.18 |

| 31209 | Sukuna | 8.69 |

| 31201 | Eren | 7.69 |

+-------+-----------------+------+

Update:

**update SimpleView set CGPA=8.99 where S\_name="Eren";**

**select \* from SimpleView;**

+-------+-----------------+------+

| s\_id | s\_name | CGPA |

+-------+-----------------+------+

| 31253 | Ninad More | 9.98 |

| 31263 | Pranay Agrawal | 9.9 |

| 31262 | Peeyush Kulgude | 9.69 |

| 31254 | Karan Mundada | 9.42 |

| 31258 | Abcedf Khfh | 8.69 |

| 31255 | Reed Wise | 8.42 |

| 31261 | Xywsc Hbhw | 9.19 |

| 31256 | Ghewf Thwb | 10 |

| 31259 | Shoyo Blitz | 10 |

| 31260 | Ken Kaneki | 9.18 |

| 31209 | Sukuna | 8.69 |

| 31201 | Eren | 8.99 |

+-------+-----------------+------+

Delete:

**delete from SimpleView where s\_name="Sukuna";**

**select \* from SimpleView;**

+-------+-----------------+------+

| s\_id | s\_name | CGPA |

+-------+-----------------+------+

| 31253 | Ninad More | 9.98 |

| 31263 | Pranay Agrawal | 9.9 |

| 31262 | Peeyush Kulgude | 9.69 |

| 31254 | Karan Mundada | 9.42 |

| 31258 | Abcedf Khfh | 8.69 |

| 31255 | Reed Wise | 8.42 |

| 31261 | Xywsc Hbhw | 9.19 |

| 31256 | Ghewf Thwb | 10 |

| 31259 | Shoyo Blitz | 10 |

| 31260 | Ken Kaneki | 9.18 |

| 31201 | Eren | 8.99 |

+-------+-----------------+------+

**drop view SimpleView;**