Consider the 2 table, Where 1st Table name is **"Teacher"** , 2nd table name is **"Student"** .TID is primary key of Teacher table ,SID is primary key of Student table and TeacherID is foriegen key of Student table.Both table are joined each other.

TID	First Name	Last Name	Dept	Age	Salary
1	Meraj	Ali	CSE	25	30000
2	Sanjir	Shishir	CSE	24	31000
3	Moshiur	Rahman	EEE	23	29000
4	Symun	Islam	EEE	24	36000
5	Sazzed	Islam	ECE	22	28000
6	Samia	Sultana	CSE	26	38000
7	Arifa	Ferdoushi	ECE	30	50000

id	name	dept	Semester	CourseCode	Age	Credit Taken	TeacherID
1	Noor	CSE	7	CSE-313	22	3	1
2	Arko	EEE	6	EEE-231	21	4	7
3	Ratul	ECE	8	ECE-341	23	3	5
4	Toru	EEE	5	EEE-221	20	4	4
5	Rashmi	CSE	7	CSE-314	23	1	1
6	Sanjida	ECE	6	ECE-231	22	3	7
7	Manun	CSE	7	ECE-316	24	4	NULL

Figure 1: Teacher   **Figure 2: Student**

Query

1. A Output is:

First Name	Last Name	Dept	Salary	Semester	CourseCode	Credit Taken
Meraj	Ali	CSE	30000	7	CSE-313	3
Arifa	Ferdoushi	ECE	50000	6	EEE-231	4
Sazzed	Islam	ECE	28000	8	ECE-341	3
Symun	Islam	EEE	36000	5	EEE-221	4
Arifa	Ferdoushi	ECE	50000	6	ECE-231	3

1. List the number of students, assign teacher name with credit those who taken salary according to their department.

2. Write an SQL Query to print the FirstName, LastName, Dept, Salary, CourseCode and CreditTaken of the Teacher whose Salary between 30000 to 40000.

3. Write down the query to show the following result .

Output is:

First Name	Dept	Salary	Semester	CourseCode	Credit Taken
Meraj	CSE	30000	7	CSE-313	3
Meraj	CSE	30000	7	CSE-314	1
Samia	CSE	38000	NULL	NULL	NULL
Sanjir	CSE	31000	NULL	NULL	NULL
Arifa	ECE	50000	6	ECE-231	3
Arifa	ECE	50000	6	EEE-231	4
Sazzed	ECE	28000	8	ECE-341	3
Moshiur	EEE	29000	NULL	NULL	NULL
Symun	EEE	36000	5	EEE-221	4

4. **Write down the query to show the following result where semester is asending order.**

Output is:

First Name	Dept	Salary	Semester	CourseCode	Credit Taken
Symun	EEE	36000	5	EEE-221	4
Arifa	ECE	50000	6	EEE-231	4
Arifa	ECE	50000	6	ECE-231	3
Meraj	CSE	30000	7	CSE-313	3
Meraj	CSE	30000	7	CSE-314	1
Sazzed	ECE	28000	8	ECE-341	3

5. Write down the query to show the following result where creditTaken is decending order..

Output is:

First Name	Dept	Salary	Semester	CourseCode	Credit Taken
Arifa	ECE	50000	6	EEE-231	4
Symun	EEE	36000	5	EEE-221	4
Meraj	CSE	30000	7	CSE-313	3
Arifa	ECE	50000	6	ECE-231	3
Sazzed	ECE	28000	8	ECE-341	3
Meraj	CSE	30000	7	CSE-314	1

6. Delete all student whose name is 'Arko and semester is 6.

7. Delete all teacher whose Firstname is 'Faruk'.

8. Find max Salary, FirstName,CreditTaken from each department where max salary is rename to "TotalSalary" and Dept whose CourseCode name end with "31".