Assignment – 6 DBMS LAB(CSP362)

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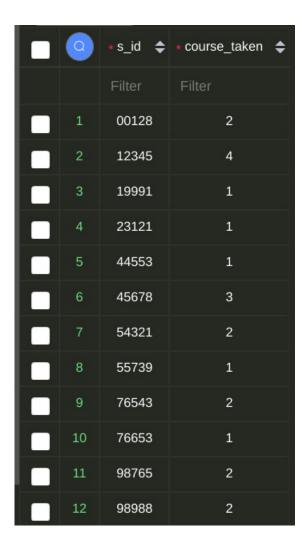
1. Show tuples present in student table ordered as per total credit.

SELECT * FROM student ORDER BY tot_cred;

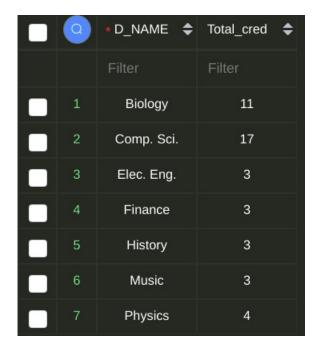


2. Find number of courses a student has taken.

SELECT s_id,count(c_id) as course_taken FROM takes GROUP BY s_id;



3.Find the total credit of all the courses offered in each department. Select sum select D_NAME, sum(CRED) as Total_Credit from course group by D_NAME;



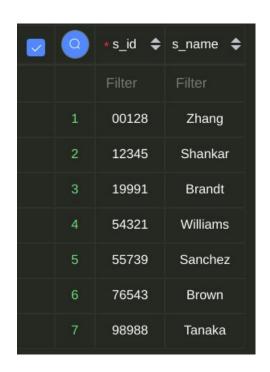
4. Find the average grade obtained by students in each course across semester. (Takes table)

SELECT c_id,AVG(GRADE) FROM takes GROUP BY c_id;



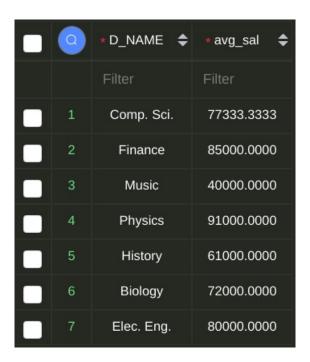
5. Find the name of student having average grade more than 6 across all semester.

SELECT student.s_id,student.s_name FROM student INNER JOIN takes ON (takes.s_id = student.s_id) GROUP BY takes.s_id HAVING avg(takes.grade) > 6;



6. Find the average salary of instructor in each department.

select D_NAME, avg(SAL) from INSTRUCTOR group by D_NAME;



7.Create a table persons with person id (Primary Key)with auto increment, name and age. Insert 2 tuples in it without specifying the person id (it will be automatically filled).

```
CREATE TABLE Persons (
Person_id INT NOT NULL AUTO_INCREMENT,
Name VARCHAR (100),
Age INT ,
PRIMARY KEY (Person_id)
);
INSERT INTO Persons (Name,age)
value ("Deepansh" , 21),("Shanky" ,3 );
```



8.Create a table persons with person id (Primary Key),name and city with default value as Jammu. Insert 2 tuples in it one with specifying the city other without it.

```
CREATE TABLE Persons (
Person_id int NOT NULL ,
Name varchar(100),
City varchar(200) DEFAULT 'Jammu',
PRIMARY KEY (Person_id)
);
INSERT INTO Persons(Person_id , name)
value ( 1 , "Shanky");
INSERT INTO Persons(Person_id , name, city)
value (2,"Deepansh" ,"Vidisha");
```

