**Lab Assignment-1**

**Create the following tables**

Course(course\_no char(4), course\_name varchar(20))

Course\_fee(course\_no char(4), full\_part char(1) (F/P), fees number(10))

course\_no and full\_part should be unique

Student(prospectus\_no number(10), name varchar(20), address varchar(30), phone\_no number(11), D\_O\_B date, total\_amt number(10,2), amt\_paid number(10,2), installment char(1) (I/F))

Installment(prospectus\_no number(10) (foreign key) on delete cascade, installment\_amt number(10,2), due\_dt date, paid char(1) (P,U))

prospectus\_no and due\_dt should be unique

Course\_taken(prospectus\_no number(10) (foreign key), course\_no char(4), start\_dt date, full\_part char(1) (F/P), time\_slot char(2), performance varchar(20))

**Queries and Outputs of the Table:**

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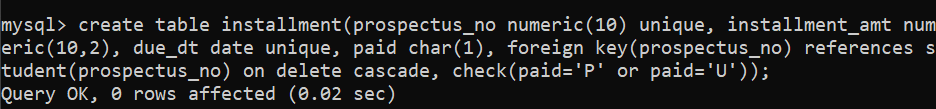
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A screenshot of a computer program

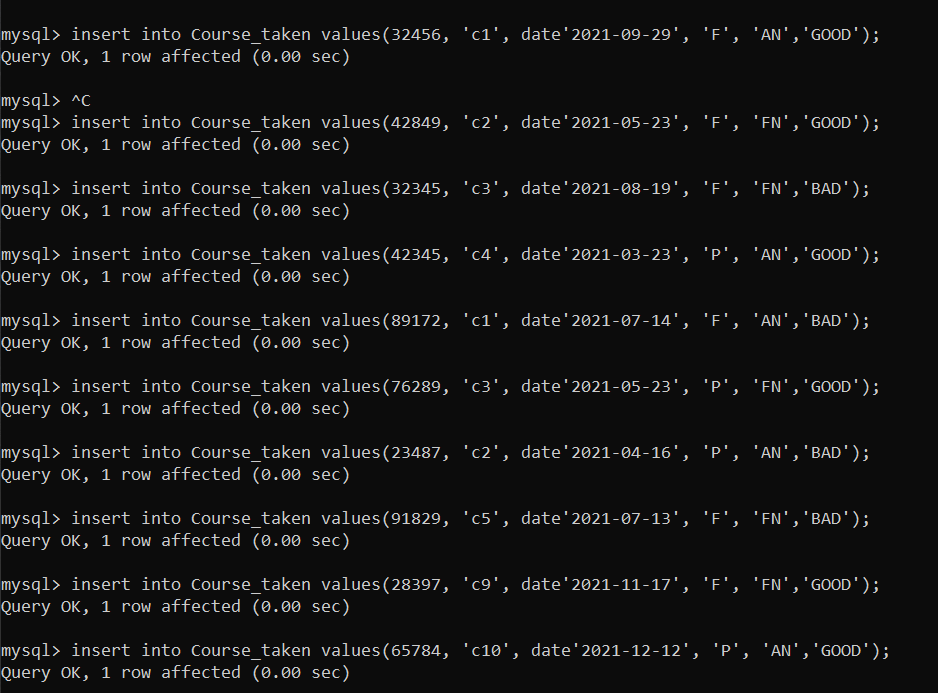
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**SQL Queries:**

* 1. Retrieve name and course no of all the students.

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* 1. List the names of students who have paid the full amount at the time of admission.

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* 1. Find the names of students starting with A.

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* 1. Print the names of students whose total amount is not equal to amount due.

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* 1. Count the number of students who have joined in current year, current month.

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* 1. Determine the maximum and minimum course fees.

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* 1. Increase the fee of oracle by 50%.

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* 1. Print the details of courses whose fees are between 5000 and 10000.

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* 1. Display the admission date in Date, Month, Year format.

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* 1. Find out in which course maximum number of students have taken admission.

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* 1. Change the course\_name from C to C Programming.

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* 1. Display the admission date in DD-MONTH-YYYY format.

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* 1. Get the sum of amount to be collected from students in this month.

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* 1. Find out in which course the maximum number of students have taken admission in the current month.

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* 1. Select the students who have not yet paid full amount of fees.

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