

Dashboard / RDBMS / Data Definition Language / Create Department table

Description Code Editor Grading view

Create Department table

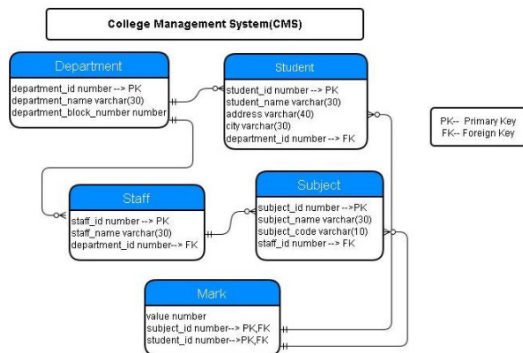
Create table department with given columns

Department
department_id number --> PK
department_name varchar(30)
department_block_number number

Create Student table

Refer the below schema, and create the student table.

Refer the below schema diagram:



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Neha Kowshik V

Refer the below schema and create the table mark.

Refer the below schema diagram:

```

    erDiagram
        CMS ||--o{ Department : "has"
        CMS ||--o{ Student : "has"
        CMS ||--o{ Staff : "has"
        CMS ||--o{ Subject : "has"
        CMS ||--o{ Mark : "has"

        Department {
            int department_id PK
            varchar(30) department_name
            int department_block
        }
        Student {
            int student_id PK
            varchar(30) student_name
            varchar(40) address
            varchar(30) city
            int department_id FK
        }
        Staff {
            int staff_id PK
            varchar(30) staff_name
            int department_id FK
        }
        Subject {
            int subject_id PK
            varchar(30) subject_name
            varchar(10) subject_code
            int staff_id FK
        }
        Mark {
            int value
            int subject_id FK
            int student_id FK
        }
  
```

PK-- Primary Key
FK-- Foreign Key

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Create Subject table

Refer the schema and create the Subject table

Refer the below schema diagram:

```

    erDiagram
        CMS ||--o{ Department : "has"
        CMS ||--o{ Student : "has"
        CMS ||--o{ Staff : "has"
        CMS ||--o{ Subject : "has"
        CMS ||--o{ Mark : "has"

        Department {
            int department_id PK
            varchar(30) department_name
            int department_block
        }
        Student {
            int student_id PK
            varchar(30) student_name
            varchar(40) address
            varchar(30) city
            int department_id FK
        }
        Staff {
            int staff_id PK
            varchar(30) staff_name
            int department_id FK
        }
        Subject {
            int subject_id PK
            varchar(30) subject_name
            varchar(10) subject_code
            int staff_id FK
        }
        Mark {
            int value
            int subject_id FK
            int student_id FK
        }
  
```

PK-- Primary Key
FK-- Foreign Key

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Add a column in Student Table

Refer the following schema and add a field – Age Number(2) to the student table.

Student - Course Enrollement Management

COURSE

PK	CourseId	number(4)
	CourseName	varchar(20)
	Duration	number(2)
	Fees	number(7,2)

STUDENT

PK	Studid	Number(4)
	FirstName	Varchar(20)
	LastName	Varchar(20)
	Street	Varchar(20)
	City	Varchar(20)
	DOB	Date

REGISTRATION

FK	CourseId	number(4)
FK	Studid	number(4)
	DOJ	Date

PK-Primary key
FK-Foreign key

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Add a constraint to Course Table

Refer the following schema and add a constraint CHK_FEES in course table to ensure that the fee is greater than zero.

Student - Course Enrollement Management

COURSE

PK	CourseId	number(4)
	CourseName	varchar(20)
	Duration	number(2)
	Fees	number(7,2)

STUDENT

PK	Studid	Number(4)
	FirstName	Varchar(20)
	LastName	Varchar(20)
	Street	Varchar(20)
	City	Varchar(20)
	DOB	Date

REGISTRATION

FK	CourseId	number(4)
FK	Studid	number(4)
	DOJ	Date

PK-Primary key
FK-Foreign key

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Add a column in Registration Table

Refer the following schema and add a field – DOC with Date type to the Registration table.

Ensure DOC greater than DOJ. (Note : DOC - Date of Completion)

Student - Course Enrollement Management

PK-Primary key
FK-Foreign key

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Drop Registration Table

Refer the following schema and drop Registration table.

Student - Course Enrollement Management

PK-Primary key
FK-Foreign key

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Test Your Understanding 1

Refer the below schema, and modify the given query appropriately in order to create the product table.

COLUMN NAME	DATATYPE	SIZE	CONSTRAINT
prod_id	number	4	Primary key
prod_name	varchar2	25	
Prod_expiry_date	date		Not null

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Test Your Understanding 2

Modify the given query appropriately in order to create the department table using the schema given below, considering the product table that you have already created.

COLUMN NAME	DATATYPE	SIZE	CONSTRAINT
dept_id	number	4	Primary key
prod_id	number	4	Foreign key
dept_name	varchar2	25	Unique
dept_head	varchar2	25	Not null