**DBS211 Quiz3**

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**Write down SQL statements**

Create the following two tables in your database.

(Don’t forget the constraints!)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Column | Data  Type | Length | PK | FK | NOT  NULL | Unique | Check | Default |
| Table: STUDENT |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Campus\_no | | Char | 1 | Y |  |  |  |  |  |
| mn | | Numeric | 3 | Y |  |  |  |  |  |
| Stud\_lname | | Char | 15 |  |  |  |  |  |  |
| Stud\_fname | | Char | 15 |  |  |  |  |  |  |
| Stud\_pgm | | Char | 3 |  | PGM(Pgm\_id) |  |  |  | ‘CPA’ |
| Locker\_no | | Numeric | 3 |  |  |  | Y |  |  |
|  | |  |  |  |  |  |  |  |  |
| Table: PGM | |  |  |  |  |  |  |  |  |
|  | |  |  |  |  |  |  |  |  |
| Pgm\_id | | Char | 3 | Y |  |  |  | ‘CPA’, ‘CPD’ |  |
| Pgm\_name | | Char | 40 |  |  | Y | Y |  |  |
| No\_semesters | | Numeric | 1 |  |  | Y |  | > = 0 | 6 |

CREATE TABLE PGM

(Pgm\_id varchar(3) primary key

, Pgm\_name varchar(40) not null unique

, No\_semesters int not null default 6

, CONSTRAINT check\_pgm\_id CHECK (Pgm\_id = 'CPA' or Pgm\_id = 'CPD')

, CONSTRAINT check\_No\_semesters CHECK (No\_semesters between 0 and 9))

CREATE TABLE student

(Campus\_no varchar(1)

, mn int

, Stud\_lname varchar(15)

, Stud\_fname varchar(15)

, Stud\_pgm varchar(3) default 'CPA'

, Locker\_no int unique

, primary key(Campus\_no, mn)

, CONSTRAINT fk\_Pgm\_id FOREIGN KEY (Stud\_pgm) REFERENCES PGM(Pgm\_id)

, CONSTRAINT check\_mn\_lenght CHECK (mn between 0 and 999)

, CONSTRAINT check\_locker\_no\_lenght CHECK (Locker\_no between 0 and 999))