

Assignment 2: Design a database schema for a library system, including tables, fields, and constraints like NOT NULL, UNIQUE, and CHECK. Include primary and foreign keys to establish relationships between tables.

Create emp2 table using Constraints like NOT NULL, UNIQUE, and CHECK and also establish relationships between Include primary and foreign keys :

```
Home > SQL > SQL Commands

Autocommit Display 10 Save Run

select * from dept;
desc dept;

create table emp2(id number(10) primary key,
name varchar2(10) not null,
email varchar2(20) unique,
age number(10) check(age>22),
deptid number(10),
constraint fk foreign key(deptid) references dept(id) on delete set null);
```

Insert Values:

```
User: SYSTEM
Home > SQL > SQL Commands

Autocommit Display 10 Save Run

desc emp2;
select * from emp2;
insert into emp2 values(101,'rahul','ajay@123.gmai.com',23,1);
insert into emp2 values(102,'ganesh','ganesh@123.gmai.com',24,2);
insert into emp2 values(103,'kunal','kunal@123.gmai.com',23,1);
insert into emp2 values(104,'sanket','sanket@123.gmai.com',25,3);
insert into emp2 values(105,'vijay','vijay@123.gmai.com',24,4);
```

**Results** Explain Describe Saved SQL History

ID	NAME	EMAIL	AGE	DEPTID
101	ajay	ajay@123.gmai.com	23	1
102	ganesh	ganesh@123.gmai.com	24	2
103	kunal	kunal@123.gmai.com	23	1
104	sanket	sanket@123.gmai.com	25	3
105	vijay	vijay@123.gmai.com	24	4

5 rows returned in 0.00 seconds

Use Department table for establish connection between foreign key and primary key.

Emp2 table foreign key references to the dept of primary key.

User: SYSTEM

Home > SQL > SQL Commands

☐ Autocommit   Display 10   **Save**   **Run**

```
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email varchar2(20) unique,
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deptid number(10),
constraint fk foreign key(deptid) references dept(id) on delete set null);
```

**Results**   Explain   Describe   Saved SQL   History

ID	NAME	MANAGER
1	trainee	sunil
4	admin	ajay
2	developer	deva
5	finance	babalu
3	tester	rk

5 rows returned in 0.00 seconds