

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.

Solution :

Create emp2 table using Constraints like NOT NULL, UNIQUE, and CHECK and also the 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

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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