

02-12-20

Exercise 003

CONSTRAINTS

- 1.) Create table department with field
dept-no (PK), dept-name (unique), location (check)

QUERY

```
CREATE TABLE DEPARTMENT (dept-no int  
PRIMARY KEY, dept-name varchar(20) unique,  
location varchar(20) check (location = 'india'));  
  
desc department;
```

field	Type	NULL	KEY	Default
dept-no	int	NO	PRI	NULL
dept-name	varchar(20)	YES	UNI	NULL
location	varchar(20)	YES		NULL

2.) Create table employee_59 with fields emp_no (PK), emp_name, salary default 5000, dept_id references dept_no in department table

QUERY

```
CREATE TABLE EMPLOYEE_59 (emp_no int
PRIMARY KEY, emp_name varchar(20) NOT NULL,
salary int default 5000, dept_id int,
foreign key (dept_id) references department
(dept_no));
```

```
desc employee_59;
```

Field	Type	NULL	key	default
emp_no	int	NO	PRI	NULL
emp_name	varchar(20)	NO		NULL
salary	int	YES		5000
dept_id	int	YES	MUL	NULL

3) ~~create~~ create table dependent with fields
 dep_id, dep_name and emp_id with
 reference emp_id in employee and on delete
 cascade.

Query

```
CREATE TABLE dependent (dep_id int,  

  dep_name varchar(20), emp_id int,  

  foreign key (emp_id) references employee(emp_id)  

  on delete cascade);  

desc dependent;
```

Field	Type	NULL	key	default
dep_id	int	YES		NULL
dep_name	varchar(20)	YES		NULL
emp_id	int	YES	NO	NULL

emp_no	emp_name	salary	dept_id
101	Sajin	67000	0002
102	Rohith	5000	1004

Insert into dependent values

(12, 'sales', '102');

INSERT into dependent values

(13, 'HR', 1001);

O/P

cannot add/update a child row : foreign key
constraint fails

RESULT

The output obtained successfully