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CHN18CS05 -
S5C- 03
APPLICATION SOFTWARE LAB
EXP.3

Questions:

1. Create table employdetails with empid references to the empid in employee table
2. Display the details of employee table where empid in employedetails table
3. Display the details of employee table where empid not in employedetails table

code

```
CREATE TABLE EMPLOYEE(  
    `empid` CHAR(4) NOT NULL,  
    `name` CHAR(10) NOT NULL);  
CREATE TABLE EMPLOYEE_DETAILS(  
    `empid` CHAR(4) NOT NULL,  
    `name` CHAR(10) NOT NULL,  
    `designation` CHAR(30) NOT NULL,  
    `dob` DATE NOT NULL);
```

```
INSERT INTO EMPLOYEE (`empid`, `name`)
```

```
VALUES
```

```
('e1', 'Jos'),
```

```
('e2', 'Ben' ),
```

```
('e3', 'Root'),
```

```
('e4', 'Jonas'),
```

```
('e5', 'Smith');
```

```
INSERT INTO EMPLOYEE_DETAILS (`empid`, `name`, `designation`, `dob`)
```

```
VALUES
```

```
('e1', 'Jos', 'HOD', '1990-09-08'),
```

```
('e2', 'Ben', 'Manager', '1991-06-04'),
```

```
('e5', 'Smith', 'Asst.Manager', '1991-10-18');
```

```
SELECT * FROM EMPLOYEE
```

```
WHERE empid IN (SELECT empid FROM EMPLOYEE_DETAILS);
```

SELECT * FROM EMPLOYEE
WHERE empid NOT IN (SELECT empid FROM EMPLOYEE_DETAILS);

output

```
MySQL 8.0 Command Line Client
Query OK, 0 rows affected (0.06 sec)

mysql> CREATE TABLE EMPLOYEE(empid CHAR(4) NOT NULL, name CHAR(10) NOT NULL);
Query OK, 0 rows affected (0.06 sec)

mysql> CREATE TABLE EMPLOYEE_DETAILS(empid CHAR(4) NOT NULL, name CHAR(10) NOT NULL, designation CHAR(30) NOT NULL, dob DATE NOT NULL);
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO EMPLOYEE (empid, name) VALUES ('e1', 'Hose'), ('e2', 'Denny'), ('e3', 'Ron'), ('e4', 'Johan'), ('e5', 'Smrith');
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> INSERT INTO EMPLOYEE_DETAILS (empid, name, designation, dob) VALUES ('e1', 'Hose', 'HOD', '1990-09-08'), ('e2', 'Denny', 'Manager', '1991-06-04'), ('e5', 'Smrith', 'Asst.Manager', '1991-10-18');
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM EMPLOYEE WHERE empid IN (SELECT empid FROM EMPLOYEE_DETAILS);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'IN (SELECT empid FROM EMPLOYEE_DETAILS)' at line 1
mysql> SELECT * FROM EMPLOYEE WHERE empid IN (SELECT empid FROM EMPLOYEE_DETAILS);
+-----+
| empid | name |
+-----+
| e1    | Hose |
| e2    | Denny |
| e5    | Smrith |
+-----+
3 rows in set (0.00 sec)

mysql> SELECT * FROM EMPLOYEE WHERE empid NOT IN (SELECT empid FROM EMPLOYEE_DETAILS);
+-----+
| empid | name |
+-----+
| e3    | Ron |
| e4    | Johan |
+-----+
2 rows in set (0.00 sec)

mysql>
```