

Experiment – 10

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Branch: BE CSE AIML

Section/Group: 21AML-9A

Semester: 03

Date of Performance: 1st Nov 2022

Subject Name: DBMS

Subject Code: 21CSH-243

1. AIM/Overview of the practical:

Design a case study for company database system.

2. Task to be Done:

- Create a table employee with employee parameters such as name, employee id, date of birth, UAN, pan number, Provident Fund Number, Employee's State Insurance Number etc.

3. Code:

- ```
CREATE TABLE employee(
 eCode varchar(6) NOT NULL,
 name varchar(30) NOT NULL,
 fname varchar(30) NOT NULL, DOA
 date NOT NULL,
 DOJ PF date NOT NULL,
 DOJ ES date,
 designation varchar(20),
 UAN bigint(12) NOT NULL,
 pfNo varchar(12) NOT NULL, esi
 cNo int(10),
 gender char(1) NOT NULL, DOB
 date NOT NULL,
 MOBno bigint(10) NOT NULL,
 PANno varchar(11),
 Aadharno bigint(12) NOT NULL,
 PRIMARY KEY(eCode, name));
```

- **INSERTINTOemployeeVALUES('B001','TinaSharma','LSH** Shankar  
**Sharma','1987-10-01','1994-10-01',NULL,'Director',1004088950,**  
**'DL/490/001',NULL,'F','1967-01-21',9350493139,'AAFPL1759',**  
**8238784935);**
- **INSERTINTOemployeeVALUES('BECF47','YashJain','SHNayan Jain','2012-**  
**07-12','2012-07-12','2012-07-12','ChiefEngineer',**  
**100198152086,'DL/49620/047',1506893088,'M','1987-08-20',**  
**7688175510,NULL,439315584672);**
- **INSERTINTOemployeeVALUES('BECF60','ShipraMangal','LSH**  
**DevenMangal','2018-08-01','2018-08-01','2018-08-01','Beta**  
**Tester',04925028350,'DL/49620/060',1508268921,'F','1977-01-**  
**20',7895188136,'EEMPB4975C',435569400892);**
- **INSERTINTOemployeeVALUES('BECF59','HarendraKumar','SH**  
**JagdeeshKumar','2018-08-01','2018-08-01','2018-08-01',**  
**'Helper',101348064979,'DL/49620/059',1509705495,'M','1998- 07-**  
**07',9116526800,'HHVPK4005D',832241746176);**
- **INSERTINTOemployeeVALUES('BECF57','VishramPrajjapat','SH**  
**LalaramPrajjapat','2018-05-01','2018-05-01','2018-05-01',**  
**'Helper',191001832160,'DL/49620/057',1503261628,'M','1979- 07-**  
**15',9600275313,NULL,401130193756);**

## 4. Output:

| Field       | Type        | Null | Key | Default | Extra |
|-------------|-------------|------|-----|---------|-------|
| eCode       | varchar(6)  | NO   | PRI | NULL    |       |
| name        | varchar(30) | NO   | PRI | NULL    |       |
| fname       | varchar(30) | NO   |     | NULL    |       |
| DOA         | date        | NO   |     | NULL    |       |
| DOJPF       | date        | NO   |     | NULL    |       |
| DOJESI      | date        | YES  |     | NULL    |       |
| designation | varchar(20) | YES  |     | NULL    |       |
| UAN         | bigint      | NO   |     | NULL    |       |
| pfNo        | varchar(12) | NO   |     | NULL    |       |
| esicNo      | int         | YES  |     | NULL    |       |
| gender      | char(1)     | NO   |     | NULL    |       |
| DOB         | date        | NO   |     | NULL    |       |
| MOBno       | bigint      | NO   |     | NULL    |       |
| PANno       | varchar(11) | YES  |     | NULL    |       |
| Aadharno    | bigint      | NO   |     | NULL    |       |

| eCode      | name             | fname               | DOA        | DOJPF      | DOJESI     | designation    | UAN          | pfNo         | esicNo     | gender | DOB        |
|------------|------------------|---------------------|------------|------------|------------|----------------|--------------|--------------|------------|--------|------------|
| MOBno      | PANno            | Aadharno            |            |            |            |                |              |              |            |        |            |
| B001       | Tina Sharma      | L SH Shankar Sharma | 1987-10-01 | 1994-10-01 | NULL       | Director       | 1004088950   | DL/490/001   | NULL       | F      | 1967-01-21 |
| 9350493139 | AAFPL1759        | 8238784935          |            |            |            |                |              |              |            |        |            |
| BECF47     | Yash Jain        | SH Nayan Jain       | 2012-07-12 | 2012-07-12 | 2012-07-12 | Chief Engineer | 100198152086 | DL/49620/047 | 1506893088 | M      | 1987-08-20 |
| 7688175510 | NULL             | 439315584672        |            |            |            |                |              |              |            |        |            |
| BECF57     | Vishram Prajapat | SH Lalaram Prajapat | 2018-05-01 | 2018-05-01 | 2018-05-01 | Helper         | 191001832160 | DL/49620/057 | 1503261628 | M      | 1979-07-15 |
| 9600275313 | NULL             | 401130193756        |            |            |            |                |              |              |            |        |            |
| BECF59     | Harendra Kumar   | SH Jagdeesh Kumar   | 2018-08-01 | 2018-08-01 | 2018-08-01 | Helper         | 101348064979 | DL/49620/059 | 1509705495 | M      | 1998-07-07 |
| 9116526800 | HHVPK4005D       | 832241746176        |            |            |            |                |              |              |            |        |            |
| BECF60     | Shipra Mangal    | L SH Deven Mangal   | 2018-08-01 | 2018-08-01 | 2018-08-01 | Beta Tester    | 4925028350   | DL/49620/060 | 1508268921 | F      | 1977-01-20 |
| 7895188136 | EEMPB4975C       | 435569400892        |            |            |            |                |              |              |            |        |            |

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### Learning outcomes (What I have learnt):

1. We have learnt to create a table with multiple parameters.
2. We have learnt to describe and display tables in MySQL command client.

### Evaluation Grid:

| Sr. No. | Parameters                                                                                                   | Marks Obtained        | Maximum Marks |
|---------|--------------------------------------------------------------------------------------------------------------|-----------------------|---------------|
| 1.      | Worksheet completion including writing learning objectives/Outcomes.(To be submitted at the end of the day). |                       | 10            |
| 2.      | Post Lab Quiz Result.                                                                                        |                       | 5             |
| 3.      | Student Engagement in Simulation/Demonstration/Performance and Controls/Pre-Lab Questions.                   |                       | 5             |
|         | Signature of Faculty (with Date):                                                                            | Total Marks Obtained: |               |