

DATABASE MANAGEMENT SYSTEMS

Course Code: CSE2007

Slot: LI3+LI4

Class Number: AP2023246000686

Venue: CB-I02

Assignment No.: 3

Date: 04/02/2024

Reg. No: 22BCE8609

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School & Programme: SCOPE B.Tech CSE core

Instructions

1. Submit Your Assignment in following link. [Click Here or https://forms.gle/uGNLDtYG8kJVjwsg8](https://forms.gle/uGNLDtYG8kJVjwsg8)
2. Submit Assignment in PDF format.
3. Submit assignment on or before: 02/FEB/2024.
4. Copy the code and take picture of output and paste in word document. Convert the word doc into PDF and submit.
5. File name will be your registration number and name.
6. **Assignments Programs:**

Solve the following using machine learning techniques

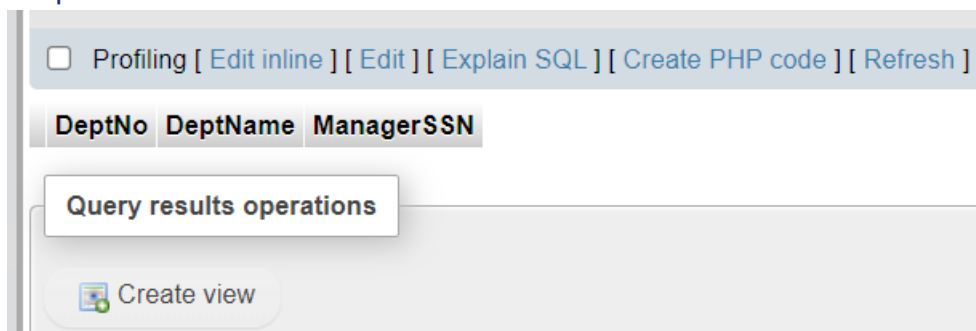
A.	Create a table with primary key. Create another table, and use foreign key.
B.	Add Foreign Keys using Alter Table .
C.	Drop Foreign key defined on SuperSSN and add it using Alter table command.
D.	Find the employee names having salary greater than Rs.25000.
E.	Find the employee names whose salary lies in the range between 30000 and 70000.
F.	Find the employees who have no supervisor.
G.	Display the bdate of all employee s in the format 'DDthMonthYYYY'.
H.	Display the employee names whose bdate is on or before 1978.
I.	

Program No:A

Title: Create a table with primary key. Create another table, and use foreign key.

```
CREATE TABLE Dept (  
    DeptNo INT PRIMARY KEY,  
    DeptName VARCHAR(50),  
    ManagerSSN VARCHAR(9) REFERENCES Employee(SSN),  
    FOREIGN KEY (ManagerSSN) REFERENCES Employee(SSN)  
);
```

Output:



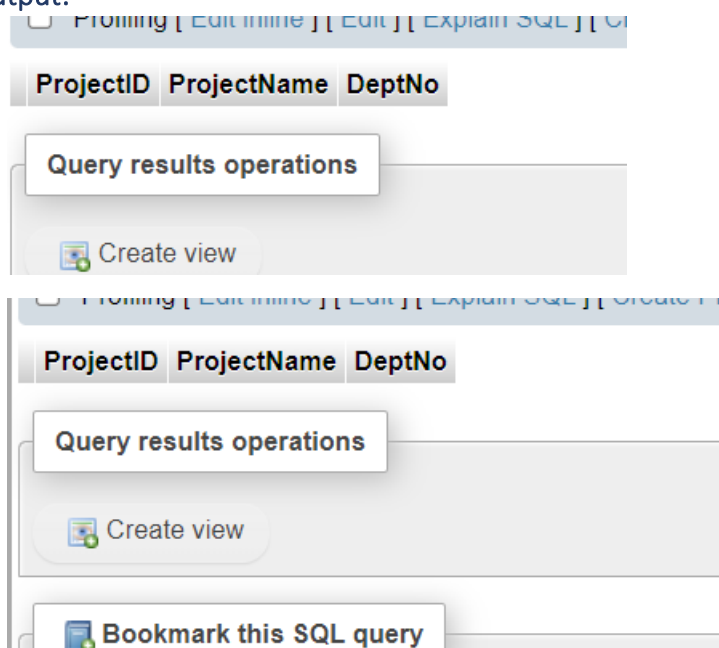
Program No:B

Title: Add Foreign Keys using Alter Table .

Code :

```
1 ALTER TABLE Projects  
2 ADD CONSTRAINT FK_Projects_DeptNo  
3 FOREIGN KEY (DeptNo) REFERENCES Dept(DeptNo);
```

Output:



Program No:C

Title: Drop Foreign key defined on SuperSSN and add it using Alter table command.

```
1 ALTER TABLE Employee
2 ADD CONSTRAINT FK_Employee_Supervisor
3 FOREIGN KEY (SupervisorSSN) REFERENCES Employee(SSN);
```

Program No:D

Title: Find the employee names having salary greater than Rs.25000.

```
1 SELECT firstName, lastName
2 FROM Employee
3 WHERE Salary > 25000;
```

Output:

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

				firstName	lastName
<input type="checkbox"/>				Gourab	Mukherjee
<input type="checkbox"/>				Aryan	Sharma
<input type="checkbox"/>				Aditya	Patel
<input type="checkbox"/>				Abhishek	Verma
<input type="checkbox"/>				Chris	Fernandes
<input type="checkbox"/>				Rohit	Singh
<input type="checkbox"/>				JOHNWESILY	Thomas
<input type="checkbox"/>				Suman	Choudhury

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Program No:E

Title: Find the employee names whose salary lies in the range between 30000 and 70000.

Run SQL query/queries on table **office.Employee**:

```
1 SELECT firstName, lastName
2 FROM Employee
3 WHERE Salary BETWEEN 30000 AND 70000;
```

Output:

				firstName	lastName
				Delete Gourab	Mukherjee
<input type="checkbox"/>				Delete Aryan	Sharma
<input type="checkbox"/>				Delete Aditya	Patel
<input type="checkbox"/>				Delete Abhishek	Verma
<input type="checkbox"/>				Delete Chris	Fernandes
<input type="checkbox"/>				Delete Rohit	Singh
<input type="checkbox"/>				Delete JOHNWESILY	Thomas
<input type="checkbox"/>				Delete Suman	Choudhury

Click the drop-down arrow to toggle column's visibility.

Query results operations

Program No:G

Title: Find the employees who have no supervisor.

```
1 SELECT firstName, lastName, DATE_FORMAT(Birthday, '%e%m%Y') AS Formatted_Birthday
2 FROM Employee;
```

Output:

✓ Showing rows 0 - 7 (8 total, Query took 0.0008 seconds.)

```
SELECT firstName, lastName, DATE_FORMAT(Birthday, '%e%m%Y') AS Formatted_Birthday
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 ▼ Filter rows:

Extra options

				firstName	lastName	Formatted_Birthday
<input type="checkbox"/>				Gourab	Mukherjee	15051990
<input type="checkbox"/>				Aryan	Sharma	20081985
<input type="checkbox"/>				Aditya	Patel	29031992
<input type="checkbox"/>				Abhishek	Verma	10111988
<input type="checkbox"/>				Chris	Fernandes	5071995
<input type="checkbox"/>				Rohit	Singh	18041987
<input type="checkbox"/>				JOHNWESILY	Thomas	22091993
<input type="checkbox"/>				Suman	Choudhury	14021991

Program No:H

Title: Display the employee names whose bdate is on or before 1978

```
1 SELECT firstName, lastName
2 FROM Employee
3 WHERE YEAR(Birthday) <= 1978;
```

Output:

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

```
SELECT firstName, lastName FROM Employee WHERE YEAR(Birthday) <= 1978;
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

firstName	lastName
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Query results operations

because there is no such Entry