

DATABASE MANAGEMENT SYSTEMS

Course Code: CSE2007

Slot: L13+L14

Class Number: AP2023246000686

Venue: CB-102

Assignment No.: 02

Date: 29 JAN 2024

Reg. No: 22BCE8587

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School & Programme: SCOPE, BTECH CSE CORE

Instructions

1. Submit Your Assignment in following link. [Click Here or https://forms.gle/UPCV14wuLdDuPhxA9](https://forms.gle/UPCV14wuLdDuPhxA9)
2. Submit Assignment in PDF format.
3. Submit assignment on or before: 20/JAN/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.	Modify the department number of an employee having fname as 'Joyce' to 5
B.	Alter Table department add column DepartmentPhoneNum of NUMBER data type and insert values into this column only.
C.	Alter table department to modify the size of DepartmentPhoneNum.
D.	Modify the field name DepartmentPhoneNum of departments table to PhNo.
E.	Rename Table Department as DEPT.
F.	Alter Table department remove column PhNo
G.	Create a table COPYOFDEPT as a copy of the table DEPT.
H.	Delete all the rows from COPYOF DEPT table.
I.	Remove COPYOF DEPT table.

Program No: A

Title: Modify the department number of an employee having fname as 'Joyce' to 5

Table before edit:

firstName	LastName	SSN	Address	Salary	Birthday	Sex	SupervisorSSN	DepartmentNo
Aryan	Dilore	1	Delhi	1500000	18062004	M	11	111
Aditya	Singh	2	Bilaspur	1505000	10092003	M	22	222
Gourab	Choudhary	3	Bangladesh	1500500	6022004	M	33	333
Abhishek	Singh	4	Bihar	1500500	30122003	M	44	444
Joyce	Madela	5	Kerla	66000	23092001	M	55	666

Code:

```
Run SQL query/queries on table assignment_01.employee:
UPDATE employee
SET DepartmentNo = 5
WHERE firstName = 'Joyce';
```

Output:

firstName	LastName	SSN	Address	Salary	Birthday	Sex	SupervisorSSN	DepartmentNo
Aryan	Dilore	1	Delhi	1500000	18062004	M	11	111
Aditya	Singh	2	Bilaspur	1505000	10092003	M	22	222
Gourab	Choudhary	3	Bangladesh	1500500	6022004	M	33	333
Abhishek	Singh	4	Bihar	1500500	30122003	M	44	444
Joyce	Madela	5	Kerla	66000	23092001	M	55	5

Program No: B

Title: Alter Table department add column DepartmentPhoneNum of NUMBER data type and insert values into this column only.

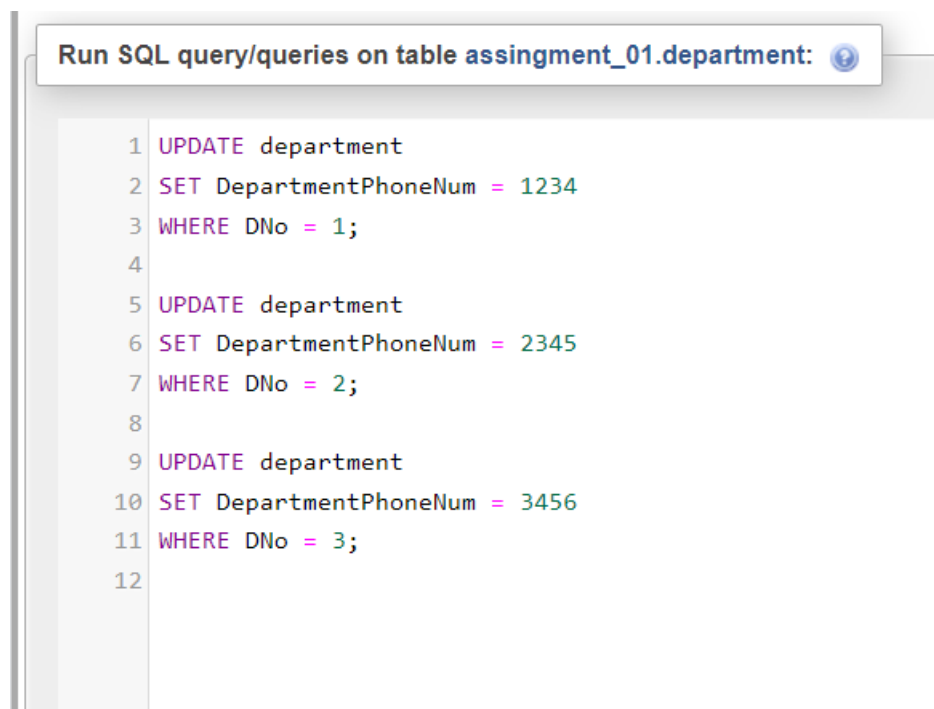
CODE TO ADD COLUMN DepartmentPhoneNum :



OUTPUT:

DNo	DNAME	ManagerSSN	MgrStartdate	DepartmentPhoneNum
1	IT	11	25092001	NULL
2	Finance	22	22051999	NULL
3	Software	33	2012004	NULL

CODE TO ADD VALUES IN DepartmentPhoneNum :




OUTPUT:

DNo	DNAME	ManagerSSN	MgrStartdate	DepartmentPhoneNum
1	IT	11	25092001	1234
2	Finance	22	22051999	2345
3	Software	33	2012004	3456

Program No: C

Title: Alter table department to modify the size of DepartmentPhoneNum.

CODE:

Run SQL query/queries on table assingment_01.department: 

```
1 ALTER TABLE department
2 MODIFY COLUMN DepartmentPhoneNum INT(3) ;
3
4
```

Output:

DNo	DNAME	ManagerSSN	MgrStartdate	DepartmentPhoneNum
1	IT	11	25092001	1234
2	Finance	22	22051999	2345
3	Software	33	2012004	3456

Program No: D

Title: Modify the field name DepartmentPhoneNum of departments table to PhNo.

CODE:

Run SQL query/queries on table assingment_01.department: 

```
1 ALTER TABLE department
2 CHANGE COLUMN DepartmentPhoneNum PhNo INT(4) ZEROFILL;
3
```

Output:

DNo	DNAME	ManagerSSN	MgrStartdate	PhNo
1	IT	11	25092001	1234
2	Finance	22	22051999	2345
3	Software	33	2012004	3456

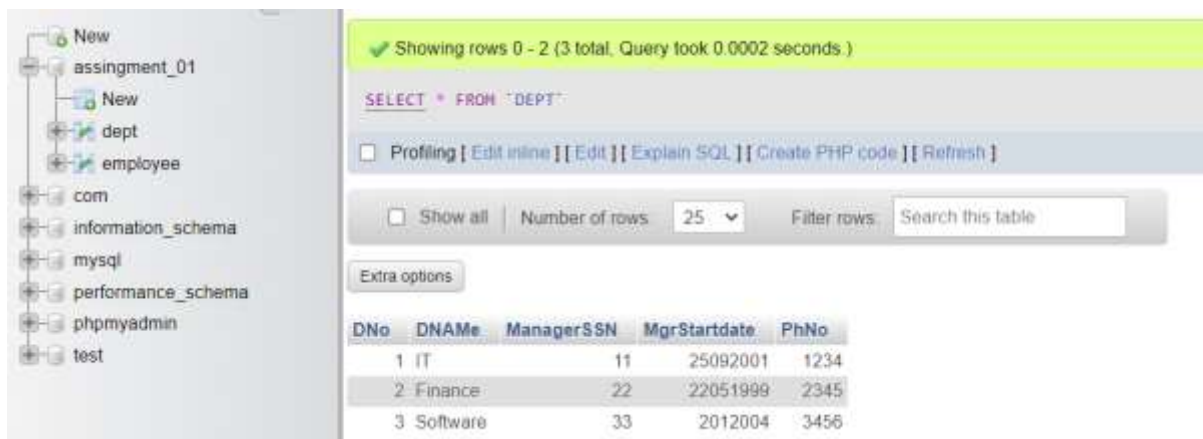
Program No: E

Title: Rename Table Department as DEPT.

CODE:

```
1 RENAME TABLE department to dept
```

OUTPUT:



The screenshot displays a MySQL database management tool interface. On the left, a tree view shows the database structure with a 'New' folder expanded, containing 'assignment_01', 'New', 'dept', and 'employee'. The 'dept' table is selected. The main panel shows a green status bar indicating 'Showing rows 0 - 2 (3 total. Query took 0.0002 seconds)'. Below this, the SQL query 'SELECT * FROM `DEPT`;' is entered. A toolbar includes options for 'Profiling', 'Edit inline', 'Edit', 'Explain SQL', 'Create PHP code', and 'Refresh'. A 'Show all' checkbox is present, along with a 'Number of rows' dropdown set to '25' and a 'Filter rows' search box. An 'Extra options' button is also visible. The results table below shows three rows of data:

DNo	DNAME	ManagerSSN	MgrStartdate	PhNo
1	IT	11	25092001	1234
2	Finance	22	22051999	2345
3	Software	33	2012004	3456

Program No: F

TITLE: Alter Table department remove column PhNo

CODE:

```
Run SQL query/queries on table as
1 ALTER TABLE dept
2 DROP COLUMN PhNo;
3
```

OUTPUT:

DNo	DNAME	ManagerSSN	MgrStartdate
1	IT	11	25092001
2	Finance	22	22051999
3	Software	33	2012004

Program No: G

TITLE: Create a table COPYOFDEPT as a copy of the table DEPT

CODE:

```
1 CREATE TABLE COPYOFDEPT AS
2 SELECT * FROM DEPT;
3
4
```

OUTPUT:

DNo	DNAME	ManagerSSN	MgrStartdate
1	IT	11	25092001
2	Finance	22	22051999
3	Software	33	2012004

Program No: H

TITLE: Delete all the rows from COPYOF DEPT table.

CODE:

```
1 DELETE FROM COPYOFDEPT;
2
```

OUTPUT:

DNo	DNAME	ManagerSSN	MgrStartdate
-----	-------	------------	--------------

Program No: I

TITLE: Remove COPYOF DEPT table.

CODE:


```
1 DROP TABLE COPYOFDEPT;  
2
```

OUTPUT:

