

DATABASE MANAGEMENT SYSTEMS

Course Code: CSE2007

Slot: L13+L14

Class Number: AP2023246000686

Venue: CB-102

Assignment No.: 4

Date:

Reg. No:22BCE8609

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School & Programme: SCOPE .B.Tech CSE Core

Instructions

1. Submit Your Assignment at the following link. [Click Here](https://forms.gle/p5pMF6duZBvUQ8qD9) or <https://forms.gle/p5pMF6duZBvUQ8qD9>.
2. Submit the Assignment in PDF format.
3. Submit the assignment on or before 19/FEB/2024.
4. Copy the code, take a picture of the output, and paste it into a Word document. Convert the word doc into PDF and submit.
5. The file name will be your registration number and name.
6. **Assignments Programs:**

Solve the following using machine learning techniques.

A.	Display the employee names having 'salt lake' in their address.
B.	Display the department name that starts with 'M'.
C.	Display the department names that end with 'E'.
D.	Display the names of all the employees having supervisors with any of the following. SSN 554433221, 333445555.
E.	Display all the department names in upper case and lower case.
F.	Display the first four characters and last four of the department names using the substring function.
G.	Display the substring of the Address (starting from 5th position to 11 th position) of all employees.
H.	Display the Mgrstartdate on adding three months to it.

I.

Program No:A

Title: Display the employee names having 'salt lake' in their address.

```
SELECT firstName, lastName  
FROM Employee  
WHERE LOWER(Address) LIKE '%salt lake%';
```

Output:

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0002 seconds.)

```
SELECT firstName, lastName FROM Employee WHERE LOWER(Address) LIKE '%salt lake%';
```

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

firstName lastName

Query results operations

Program No:B

Title: Display the department name that starts with 'M'.


```
SELECT DName  
FROM Department  
WHERE DName LIKE 'M%';
```


Output:

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DName

Query results operations

 Create view

 Bookmark this SQL query

Program No:C

Title: Display the department names that end with 'E'.

```
SELECT DName
FROM Department
WHERE DName LIKE '%E';
```

Output:

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

```
SELECT DName FROM Department WHERE DName LIKE '%E';
```

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☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	DName
<input type="checkbox"/>	Finance

☐ Check all | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

Program No:D

Title: Display the names of all the employees having supervisors with any of the following.

SSN 554433221, 333445555.

```
SELECT e.firstName, e.lastName
FROM Employee e
JOIN Employee supervisor ON e.SupervisorSSN = supervisor.SSN
WHERE supervisor.SSN IN ('554433221', '333445555');
```

Output:

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0008 seconds.)

```
SELECT e.firstName, e.lastName FROM Employee e JOIN Employee supervisor ON e.SupervisorSSN = supervisor.SSN WHERE supervisor.SSN IN ('554433221', '333445555');
```

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firstName	lastName
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Query results operations

[Create view](#)

[Bookmark this SQL query](#)

Program No:E

Title: Display all the department names in upper case and lower case.

```
SELECT DName AS DepartmentName,  
       LOWER(DName) AS DepartmentNameLowerCase,  
       UPPER(DName) AS DepartmentNameUpperCase  
FROM Department;
```

Output:

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: Search this table	Sort by key: None
Extra options			
<div>⬅️ ➡️</div>			
<input type="checkbox"/>	Edit	Copy	Delete
DepartmentName DepartmentNameLowerCase DepartmentNameUpperCase			
<input type="checkbox"/>	Edit	Copy	Delete
HR hr HR			
<input type="checkbox"/>	Edit	Copy	Delete
Finance finance FINANCE			
<div>⬆️</div>			
<input type="checkbox"/> Check all	With selected:	Edit	Copy
		Delete	Export

Program No:F

Title: Display the first four characters and last four of the department names using the substring function.

```
SELECT DName AS DepartmentName,  
       SUBSTRING(DName, 1, 4) AS FirstFourChars,  
       SUBSTRING(DName,-4) AS LastFourChars  
FROM Department;
```

Output:

<input type="checkbox"/> Show all	Number of rows: 25	Filter rows: Search this table	Sort by key: None
Extra options			
<div>⬅️ ➡️</div>			
<input type="checkbox"/>	Edit	Copy	Delete
DepartmentName FirstFourChars LastFourChars			
<input type="checkbox"/>	Edit	Copy	Delete
HR HR			
<input type="checkbox"/>	Edit	Copy	Delete
Finance Fina ance			
<div>⬆️</div>			
<input type="checkbox"/> Check all	With selected:	Edit	Copy
		Delete	Export

Program No:G

Title: Display the substring of the Address (starting from 5th position to 11 th position) of all employees.

```
SELECT firstName, lastName,  
       SUBSTRING(Address, 5, 7) AS SubstringAddress  
FROM Employee;
```

Output:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

SELECT firstName, lastName, SUBSTRING(Address, 5, 7) AS SubstringAddress FROM Employee;

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

SubstringAddress

Edit

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Gourab

Mukherjee

ABC Str

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Aryan

Sharma

XYZ Str

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Aditya

Patel

PQR Str

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Abhishek

Verma

LMN Str

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Chris

Fernandes

OPQ Str

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Rohit

Singh

RST Str

Edit

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JOHNWESILY

Thomas

UVW Str

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Delete

Suman

Choudhury

XYZ Str

Check all

With selected:

Edit

Copy

Delete

Export

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Program No:H

Title: Display the Mgrstartdate on adding three months to it.

```
SELECT MgrStartDate,  
       DATE_ADD(MgrStartDate, INTERVAL 3 MONTH) AS MgrStartDatePlusThreeMonths  
FROM Department;
```

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

⬅

⬆

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MgrStartDate

MgrStartDatePlusThreeMonths

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⬆

Check all

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Show all

Number of rows:

25

Filter rows:

Search this table

Sort by key:

None