DATABASE MANAGEMENT SYSTEMS

Course Code: CSE2007	Slot: L13+L14
Class Number: AP2023246000686	Venue: CB-102
Assignment No.: 4	Date:

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School & Programme: SCOPE .B.Tech CSE Core

Instructions

1. Submit Your Assignment at the following link. Click Here 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.

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:

Program No:B

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

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

Output:

Program No:C

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

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

Output:

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:

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:

	DepartmentName	DepartmentNameLowerCase	DepartmentNameUpperCase
Edit Copy Delete	HR	hr	HR
Edit Copy Delete	Finance	finance	FINANCE

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:

	DepartmentName	FirstFourChars	LastFourChars
Edit Copy Delete	HR	HR	
Edit Copy Delete	Finance	Fina	ance

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:

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: