

# DATABASE MANAGEMENT SYSTEMS

Course Code: CSE2007

Slot: L13+L14

Class Number: AP2023246000686

Venue: CB-102

Assignment No.: 5

Date:

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**School & Programme: SCOPE , B.Tech CSE Core**

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## Instructions

1. Submit Your Assignment at the following link. [Click Here](https://forms.gle/ve58B7FPHwMtfqdD9) or <https://forms.gle/ve58B7FPHwMtfqdD9>
2. Submit the Assignment in PDF format.
3. Submit the assignment on or before 04/March/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 age of all the employees rounded to two digits.
B.	Find the last day and next day of the month in which each manager has joined.
C.	Print a substring from the string 'Harini'.
D.	Replace the string 'ni' from 'Harini' by 'sh'.
E.	Print the length of all the department names.
F.	Print the system date in the format 25 th May 2007.
G.	Display the date after 10 months from current date.
H.	Display the age of all the employees rounded to two digits.
I.	Find the last day and next day of the month in which each manager has joined.

























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### Program No:A

**Title:** Display the age of all the employees rounded to two digits.

```
SELECT firstName, lastName, ROUND(DATEDIFF(NOW(), Birthday) / 365.25, 2) AS Age
FROM Employee;
```

Output:

				firstName	lastName	Age
<input type="checkbox"/>				Gourab	Mukherjee	33.82
<input type="checkbox"/>				Aryan	Sharma	38.55
<input type="checkbox"/>				Aditya	Patel	31.95
<input type="checkbox"/>				Abhishek	Verma	35.33
<input type="checkbox"/>				Chris	Fernandes	28.68
<input type="checkbox"/>				Rohit	Singh	36.89
<input type="checkbox"/>				JOHNWESILY	Thomas	30.46
<input type="checkbox"/>				Suman	Choudhury	33.07

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### Program No:B

**Title:** Find the last day and next day of the month in which each manager has joined.

```
SELECT firstName, lastName, MgrStartDate AS JoinDate,
       LAST_DAY(MgrStartDate) AS LastDayOfMonth,
       DATE_ADD(LAST_DAY(MgrStartDate), INTERVAL 1 DAY) AS NextDayOfMonth
FROM Department
JOIN Employee ON Department.ManagerSSN = Employee.SSN;
```

## Output:

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

```
SELECT firstName, lastName, MgrStartDate AS JoinDate, LAST_DAY(MgrStartDate) AS LastDayOfMonth, DATE_ADD(LAST_DAY(MgrStartDate), INTERVAL 1 DAY) AS NextDayOfMonth FROM Department JOIN Employee ON Department.ManagerSSN = Employee.SSN;
```

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

**firstName** **lastName** **JoinDate** **LastDayOfMonth** **NextDayOfMonth**

Query results operations

Create view

Bookmark this SQL query

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## Program No:C

**Title:** Print a substring from the string 'Harini'.

**SELECT SUBSTRING('Harini', 2, 3) AS SubstringHarini;**

## Output:

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

Extra options

**SubstringHarini**

ari

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### Program No:D

**Title:** Replace the string 'ni' from 'Harini' by 'sh'.

```
SELECT REPLACE('Harini', 'ni', 'sh') AS ReplacedHarini;
```

Output:

Extra Options	
ReplacedHarini	
Harish	
<input type="checkbox"/> Show all   Number of rows: 25 ▼ Filter rows: <input type="text" value="Search this table"/>	

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### Program No:E

**Title:** Print the length of all the department names.

```
SELECT DName, LENGTH(DName) AS DepartmentNameLength  
FROM Department;
```

Output:

✓ Showing rows 0 - 1 (2 total, Query took 0.0002 seconds.)

```
SELECT DName, LENGTH(DName) AS DepartmentNameLength FROM Department;
```

☐ 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

	DName	DepartmentNameLength
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	HR	2
<input type="checkbox"/> <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a>	Finance	7

☐ 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

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

## Program No:F

**Title:** Print the system date in the format 25 th May 2007.

```
SELECT DATE_FORMAT(NOW(), '%D %M %Y') AS FormattedDate;
```

Output:

Extra options

FormattedDate
9th March 2024

## Program No:G

**Title:** Display the date after 10 months from current date.

```
SELECT DATE_ADD(NOW(), INTERVAL 10 MONTH) AS DateAfter10Months;
```

Output:

























DateAfter10Months
2025-01-09 00:50:28

## Program No:H

**Title:** Display the age of all the employees rounded to two digits.

**SELECT** firstName, lastName, ROUND(DATEDIFF(NOW(), Birthday) / 365.25, 2) AS Age

Output:

				firstName	lastName	Age
<input type="checkbox"/>				Gourab	Mukherjee	33.82
<input type="checkbox"/>				Aryan	Sharma	38.55
<input type="checkbox"/>				Aditya	Patel	31.95
<input type="checkbox"/>				Abhishek	Verma	35.33
<input type="checkbox"/>				Chris	Fernandes	28.68
<input type="checkbox"/>				Rohit	Singh	36.89
<input type="checkbox"/>				JOHNWESILY	Thomas	30.46
<input type="checkbox"/>				Suman	Choudhury	33.07

## Program No:I

**Title:** Find the last day and next day of the month in which each manager has joined.

**SELECT** firstName, lastName, MgrStartDate AS JoinDate,  
LAST\_DAY(MgrStartDate) AS LastDayOfMonth,  
DATE\_ADD(LAST\_DAY(MgrStartDate), INTERVAL 1 DAY) AS NextDayOfMonth  
**FROM** Department  
**JOIN** Employee **ON** Department.ManagerSSN = Employee.SSN;

Output:

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)					
<pre>SELECT firstName, lastName, MgrStartDate AS JoinDate, LAST_DAY(MgrStartDate) AS LastDayOfMonth, DATE_ADD(LAST_DAY(MgrStartDate), INTERVAL 1 DAY) AS NextDayOfMonth FROM Department JOIN Employee ON Department.ManagerSSN = Employee.SSN;</pre>					
<input type="checkbox"/> Profiling <a href="#">[ Edit inline ]</a> <a href="#">[ Edit ]</a> <a href="#">[ Explain SQL ]</a> <a href="#">[ Create PHP code ]</a> <a href="#">[ Refresh ]</a>					
firstName	lastName	JoinDate	LastDayOfMonth	NextDayOfMonth	
Query results operations					
<a href="#">Create view</a>					
<a href="#">Bookmark this SQL query</a>					

