DATABASE MANAGEMENT SYSTEMS

Course Code: CSE2007 Slot: L13+L14

Class Number: AP2023246000686 Venue: CB-102

Assignment No.: 5 Date:

Reg. No:22BCE8609

Name: Gourab Choudhury

School & Programme: SCOPE , B.Tech CSE Core

Instructions

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

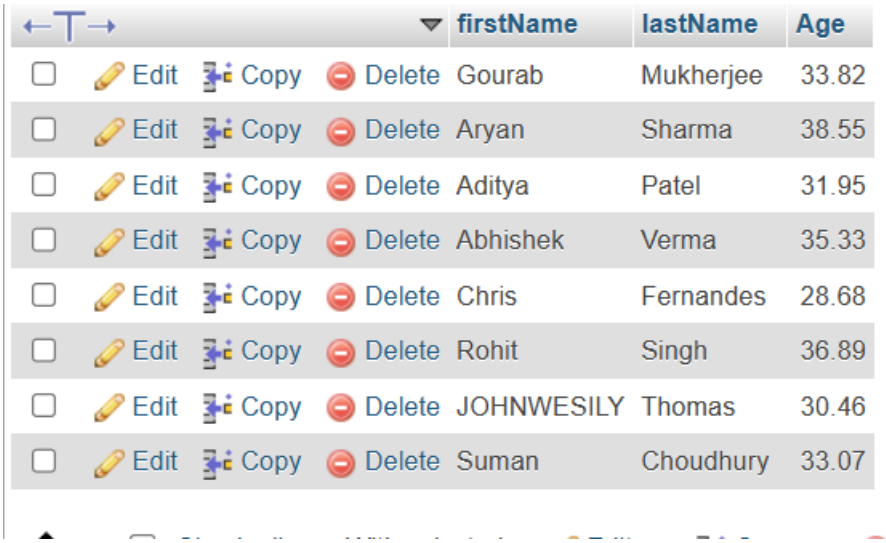
Solve the following using machine learning techniques.	
A.	Display the age of all the employees rounded to two digits.
B.	Find the last day and next day of the month in which each manager has joined.
C.	Print a substring from the string ‘Harini’.
D.	Replace the string ‘ni’ from ‘Harini’ by ‘sh’.
E.	Print 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.

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:



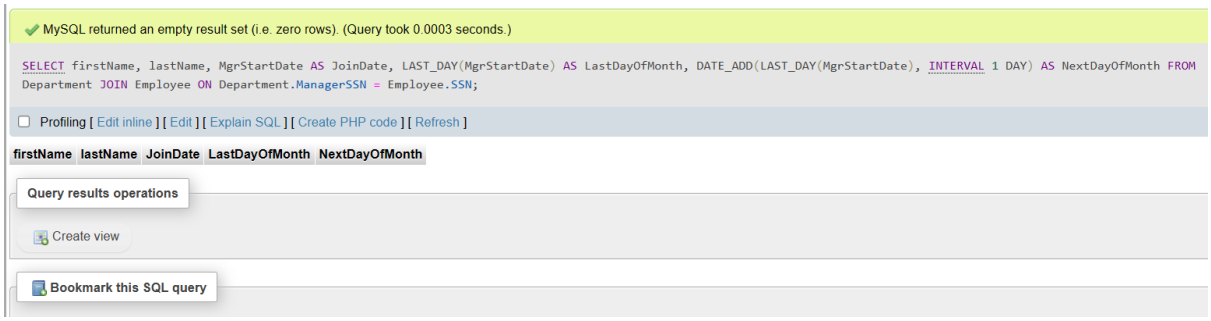
	firstName	lastName	Age
Edit Copy Delete	Gourab	Mukherjee	33.82
Edit Copy Delete	Aryan	Sharma	38.55
Edit Copy Delete	Aditya	Patel	31.95
Edit Copy Delete	Abhishek	Verma	35.33
Edit Copy Delete	Chris	Fernandes	28.68
Edit Copy Delete	Rohit	Singh	36.89
Edit Copy Delete	JOHNWESILY	Thomas	30.46
Edit Copy Delete	Suman	Choudhury	33.07

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:

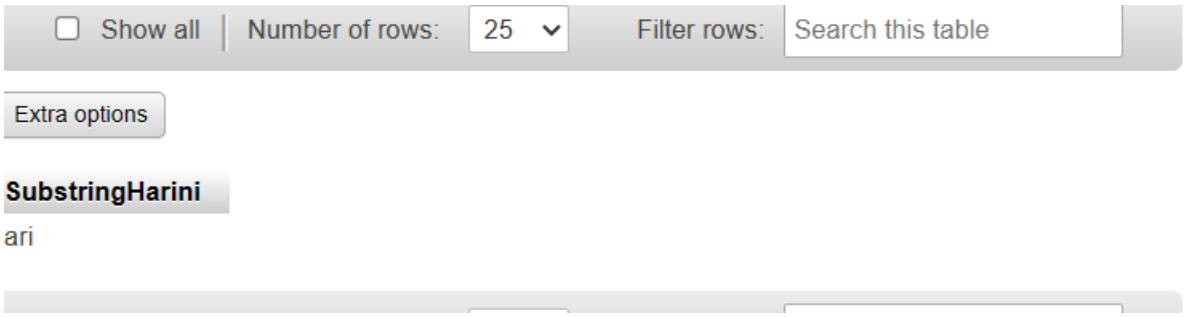


Program No:C

Title: Print a substring from the string ‘Harini’.

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

Output:

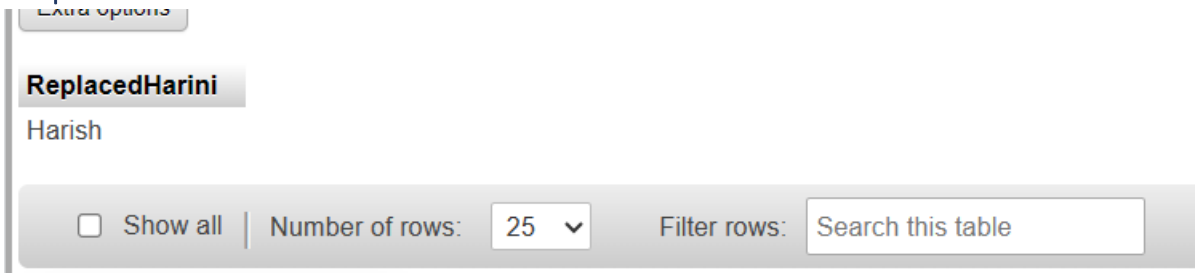


Program No:D

Title: Replace the string ‘ni’ from ‘Harini’ by ‘sh’.

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

Output:

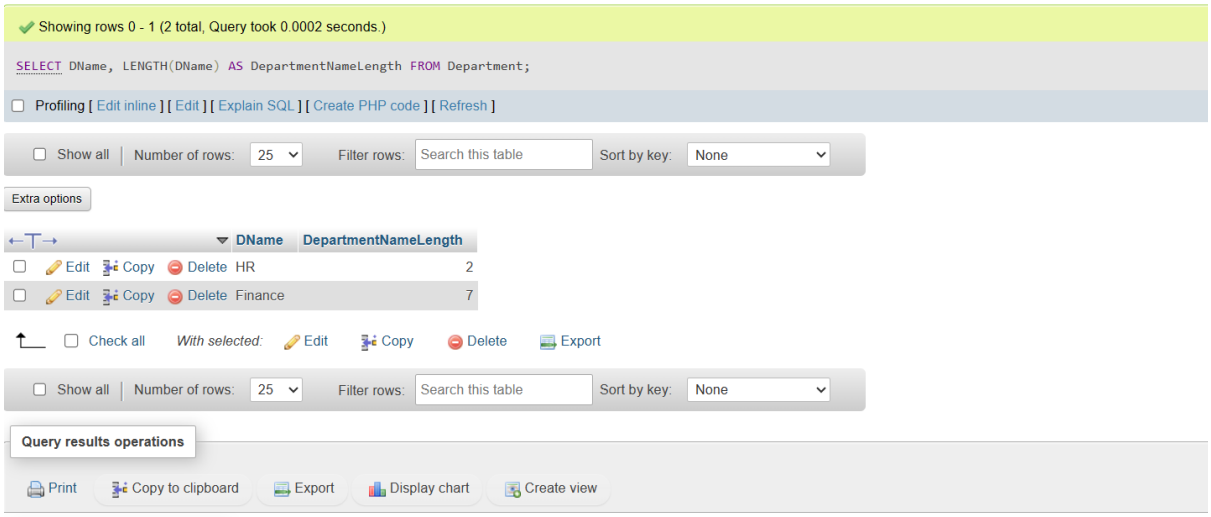


Program No:E

Title: Print the length of all the department names.

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

Output:

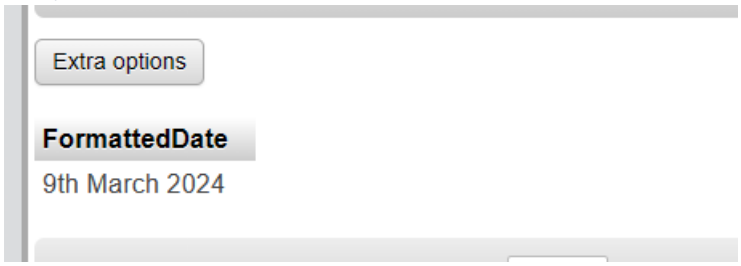


Program No:F

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

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

Output:

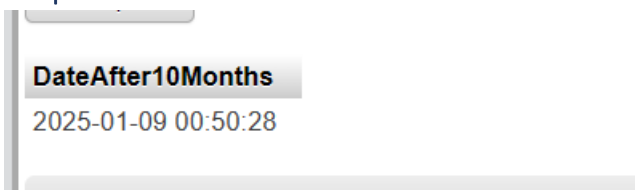


Program No:G

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

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

Output:



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
Edit Copy Delete	Gourab	Mukherjee	33.82
Edit Copy Delete	Aryan	Sharma	38.55
Edit Copy Delete	Aditya	Patel	31.95
Edit Copy Delete	Abhishek	Verma	35.33
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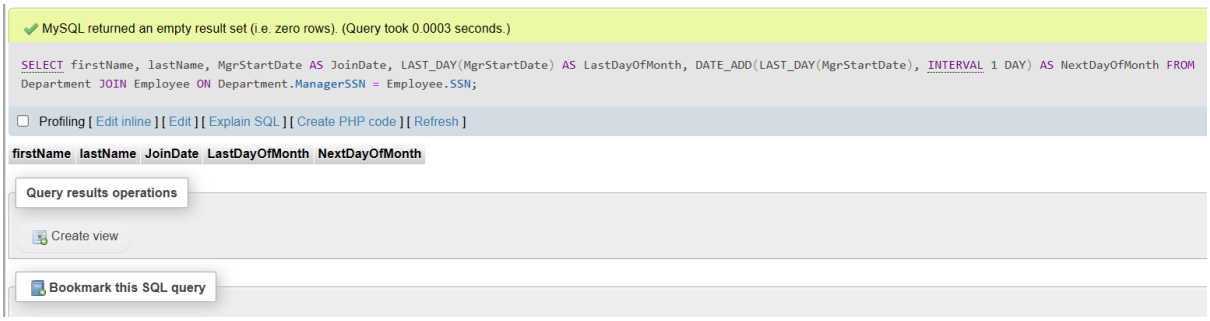
Edit Copy Delete	Rohit	Singh	36.89
Edit Copy Delete	JOHNWESILY	Thomas	30.46
Edit Copy Delete	Suman	Choudhury	33.07

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: