

LAB Assignment 5

1. Write a stored procedure named "GetEmployee()" to get name, birthdate, address of employees.

```
CREATE PROCEDURE GetEmployee() BEGIN SELECT Ename, Bdate, Address FROM Employees; END;
```

The screenshot shows the phpMyAdmin interface with the database 'ramkrishnapudasaini_26_company' selected. The 'Query' tab is active, and the query 'CREATE PROCEDURE GetEmployee() BEGIN SELECT Ename, Bdate, Address FROM Employees; END;' has been executed successfully. The message 'MySQL returned an empty result set (i.e. zero rows). (Query took 0.0055 seconds.)' is displayed. The left sidebar shows the database structure, including the 'employee' table with columns: Ename, Bdate, Address, Gender, Matrital_status, Ono, Salary, SSN, and Years_of_experience.

2. Execute the procedure in Q.1 and show the result.

```
CALL GetEmployee();
```

The screenshot shows the phpMyAdmin interface with the database 'ramkrishnapudasaini_26_company' selected. The 'Query' tab is active, and the query 'CALL GetEmployee();' has been executed successfully. The message 'Showing rows 0 - 5 (6 total, Query took 0.0004 seconds)' is displayed. The left sidebar shows the database structure, including the 'employee' table with columns: Ename, Bdate, Address, Gender, Matrital_status, Ono, Salary, SSN, and Years_of_experience. The main area displays a table with 6 rows of employee data.

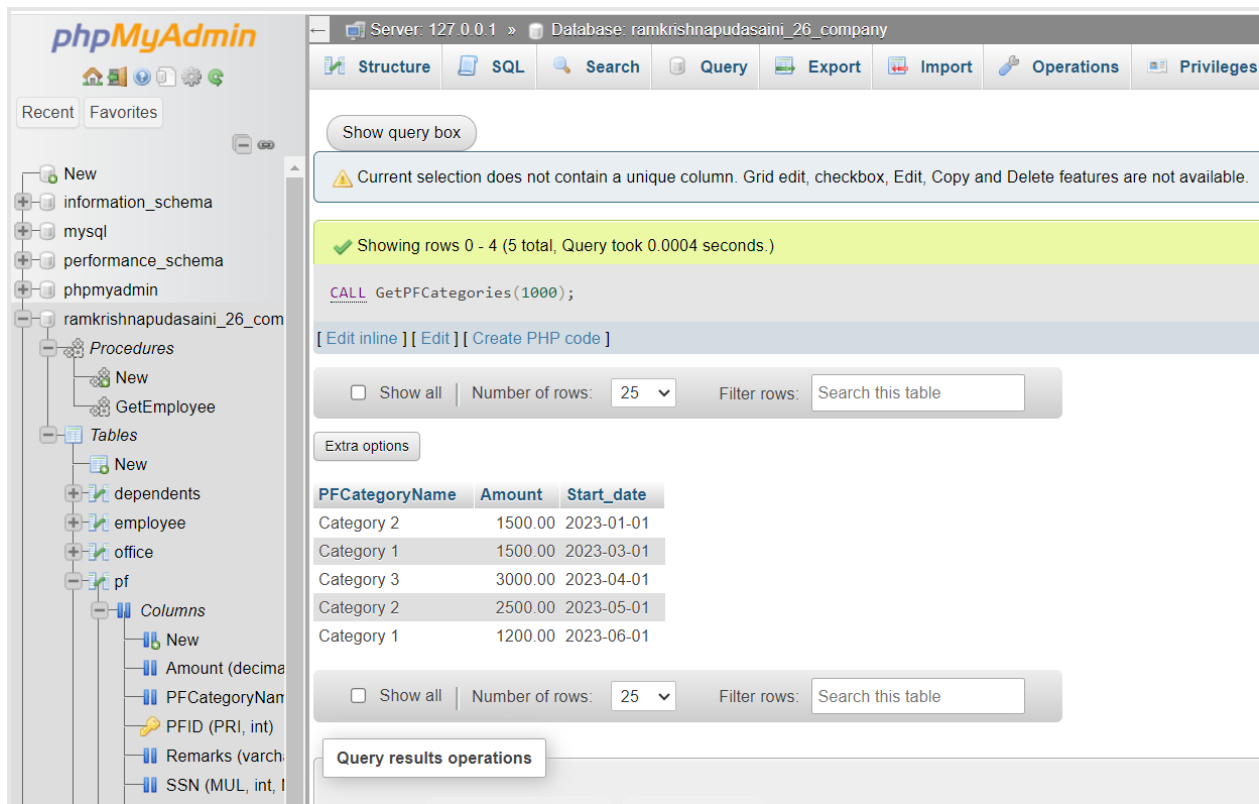
Ename	Bdate	Address
RamKrishnaPudasaini	1990-01-01	Kathmandu
Denic	1990-01-01	123 Main St
John	1985-05-10	456 Elm St
Jane	1992-12-15	789 Oak St
David	1988-08-20	321 Pine St
Emily	1995-04-25	987 Cedar St

3. Write a stored procedure to get PF category name, Amount and start date where the amount is greater than provided input value. Your procedure should contain an IN parameter named amt to take input value of amount. Call the procedure with inputs 1000 and 3000 respectively.

```
CREATE PROCEDURE GetPFCategories(IN amt DECIMAL) BEGIN SELECT  
PFCategoryName, Amount, Start_date FROM pf WHERE Amount > amt; END;
```

TO call the procedure with inputs 1000 and 3000

```
CALL GetPFCategories(1000);
```



Server: 127.0.0.1 » Database: ramkrishnapudasaini_26_company

Structure SQL Search Query Export Import Operations Privileges

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✓ Showing rows 0 - 4 (5 total, Query took 0.0004 seconds.)

```
CALL GetPFCategories(1000);
```

[Edit inline] [Edit] [Create PHP code]

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

Extra options

PFCategoryName	Amount	Start_date
Category 2	1500.00	2023-01-01
Category 1	1500.00	2023-03-01
Category 3	3000.00	2023-04-01
Category 2	2500.00	2023-05-01
Category 1	1200.00	2023-06-01

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

Query results operations

```
CALL GetPFCategories(3000);
```



Server: 127.0.0.1 » Database: ramkrishnapudasaini_26_company

Structure SQL Search Query Export Import Operations Privileges

Show query box

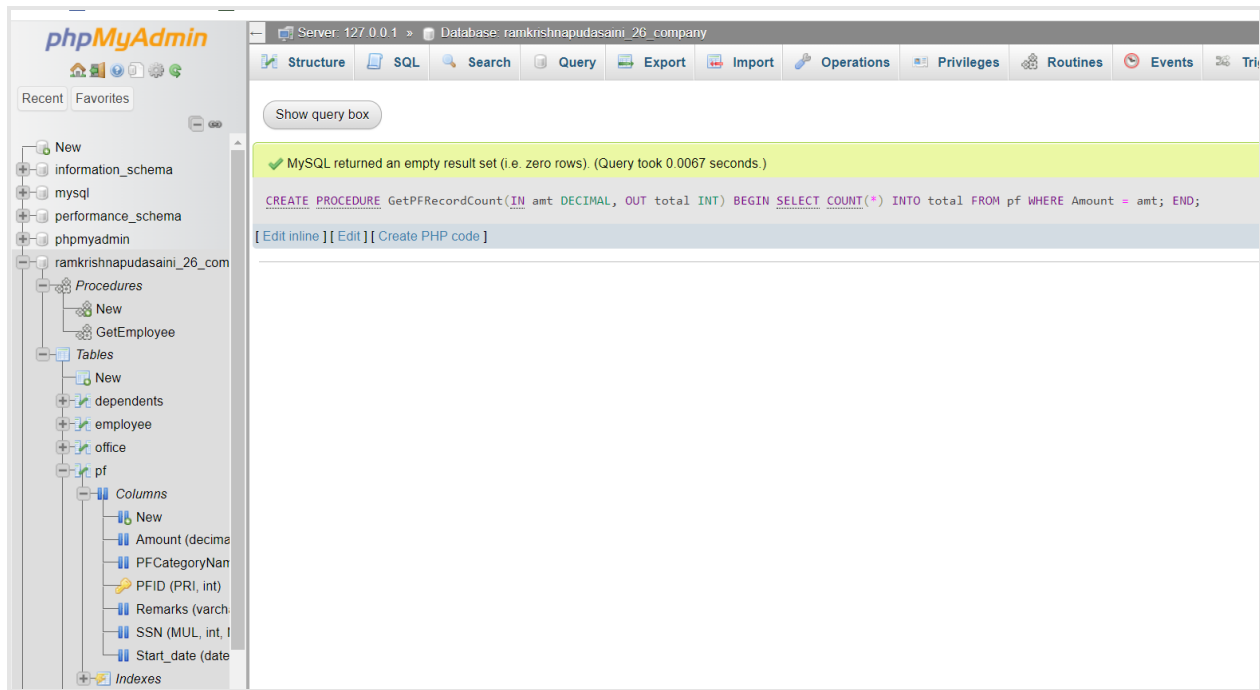
✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```
CALL GetPFCategories(3000);
```

[Edit inline] [Edit] [Create PHP code]

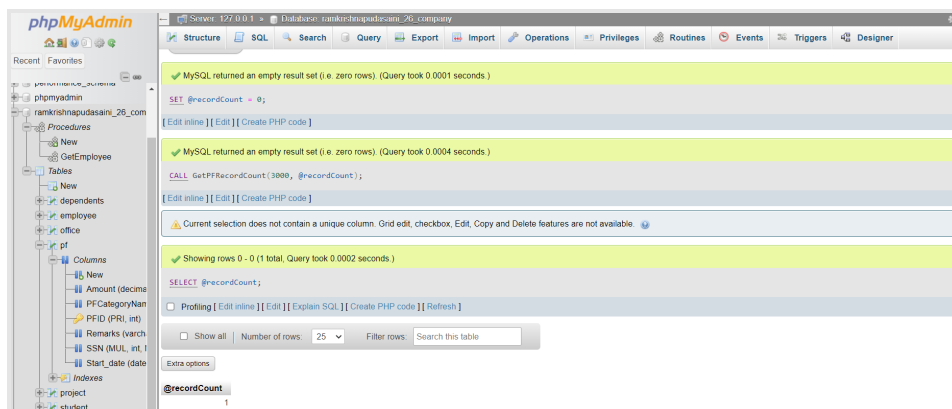
4. Write a stored procedure to get number of PF records where the amount of PF is equal to the provided input value. Your procedure should contain an IN parameter named amt to take input value of amount and should contain OUT parameter named total to return the total number of PF records satisfying the condition.

```
CREATE PROCEDURE GetPFRecordCount(IN amt DECIMAL, OUT total INT) BEGIN SELECT COUNT(*) INTO total FROM pf WHERE Amount = amt; END;
```



5. Call the procedure in Q4. with input of 3000 and print the @total.

```
SET @recordCount = 0;  
CALL GetPFRecordCount(3000, @recordCount);  
SELECT @recordCount;
```

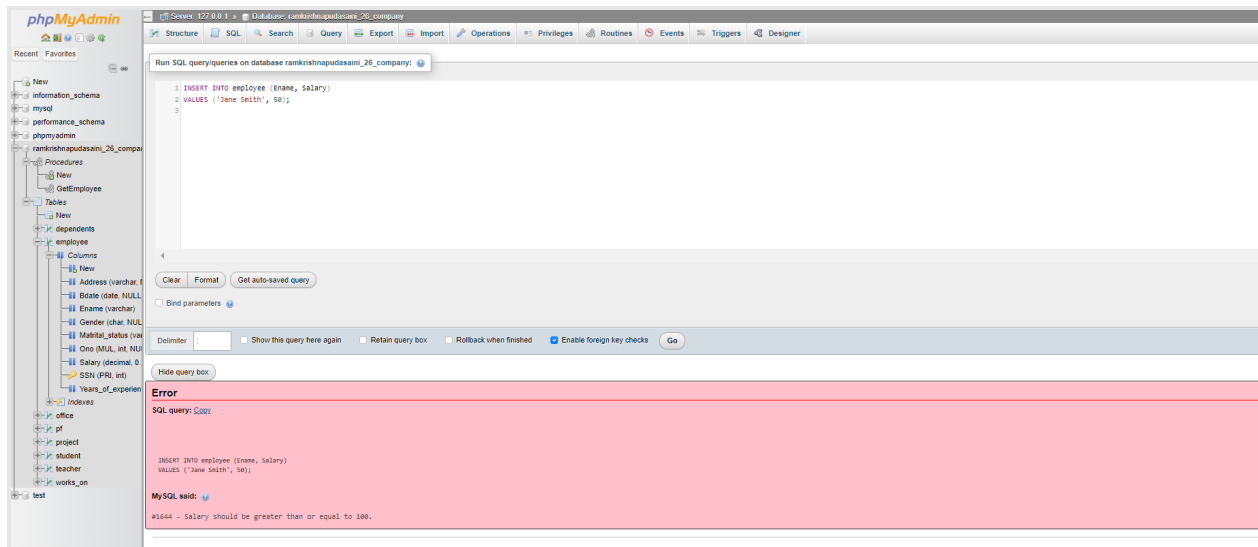


6. Write before insert trigger before inserting a record into the Employee table. Show some action on the event.

```
DELIMITER //
```

```
CREATE TRIGGER BeforeEmployeeInsert
BEFORE INSERT ON employee
FOR EACH ROW
BEGIN
    -- Perform some action or validation before the insert
    IF NEW.Salary < 100 THEN
        SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Salary should be greater
than or equal to 100.';
    END IF;
END //
```

```
DELIMITER ;
```



7. Write after delete trigger on PF table during delete operation. Print “It is deleted”.

```
DELIMITER //
```

```
CREATE TRIGGER AfterPFDelete
AFTER DELETE ON pf
FOR EACH ROW
BEGIN
    SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'It is deleted';
END //
```

```
DELIMITER ;
```

phpMyAdmin

Server: 127.0.0.1 » Database: rankit-innapudisain 26 company » Table: pf

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Recent Favorites

GetEmployee

Tables

New

dependents

employee

Columns

New

Address (varchar)

Bdate (date, NULL)

Ename (varchar)

Gender (char, 1)

Matrinal_status

Ono (MUL, int)

Salary (decimal)

SSN (PRI, int)

Years_of_experience

Indexes

office

pf

Columns

New

Amount (decimal)

PFCategoryName

PFID (PRI, int)

Remarks (varchar)

SSN (MUL, int)

Start_date (date)

Indexes

project

student

teacher

works_on

```
1 DELETE FROM pf WHERE PFID = 6;
```

2

3

4

5

4

Clear Format Get auto-saved query

☐ Bind parameters

Delimiter: Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Simulate query Go

Hide query box

Error

SQL query: [Copy](#)

DELETE FROM pf WHERE PFID = 6;

MySQL said: [Help](#)

#1644 - It is deleted