

## Exp-6

```
mysql> CREATE TABLE employees (
->     employee_id    INT PRIMARY KEY,
->     first_name     VARCHAR(50),
->     last_name      VARCHAR(50),
->     department_id  INT,
->     hire_date      DATE,
->     salary         DECIMAL(10, 2),
->     job_title      VARCHAR(50)
-> );
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> INSERT INTO employees (employee_id, first_name, last_name, department_id, hire_date, salary, job_title) VALUES
-> (101, 'Alice', 'Smith', 10, '2022-01-15', 55000.00, 'Software Engineer'),
-> (102, 'Bob', 'Johnson', 20, '2023-03-12', 60000.00, 'Data Analyst'),
-> (103, 'Charlie', 'Brown', 10, '2021-07-22', 58000.00, 'Systems Administrator'),
-> (104, 'David', 'Wilson', 30, '2022-11-30', 72000.00, 'Project Manager'),
-> (105, 'Emma', 'Davis', 10, '2020-06-14', 50000.00, 'Web Developer');
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql>
```

```
mysql> select * from employees;
```

employee_id	first_name	last_name	department_id	hire_date	salary	job_title
101	Alice	Smith	10	2022-01-15	55000.00	Software Engineer
102	Bob	Johnson	20	2023-03-12	60000.00	Data Analyst
103	Charlie	Brown	10	2021-07-22	58000.00	Systems Administrator
104	David	Wilson	30	2022-11-30	72000.00	Project Manager
105	Emma	Davis	10	2020-06-14	50000.00	Web Developer

```
5 rows in set (0.00 sec)
```

## Exp-6

```
mysql> CREATE PROCEDURE FetchEmployeesByDepartment()  
-> BEGIN  
->   DECLARE done INT DEFAULT 0;  
->   DECLARE emp_id INT;  
->   DECLARE f_name VARCHAR(50);  
->   DECLARE l_name VARCHAR(50);  
->  
->   -- Declare the cursor for selecting employees in department 10  
->   DECLARE employee_cursor CURSOR FOR  
->     SELECT employee_id, first_name, last_name  
->     FROM employees  
->     WHERE department_id = 10;  
->  
->   -- Declare a handler to exit the loop when there are no more rows  
->   DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;  
->  
->   -- Open the cursor  
->   OPEN employee_cursor;  
->  
->   -- Fetch rows from the cursor in a loop  
->   read_loop: LOOP  
->     FETCH employee_cursor INTO emp_id, f_name, l_name;  
->     IF done THEN  
->       LEAVE read_loop;  
->     END IF;  
->  
->     -- Output fetched data  
->     SELECT CONCAT('Employee ID: ', emp_id, ', Name: ', f_name, ' ', l_name) AS Employee_Info;  
->   END LOOP;  
->  
->   -- Close the cursor  
->   CLOSE employee_cursor;  
-> END //
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> CALL FetchEmployeesByDepartment();  
+-----+  
| Employee_Info |  
+-----+  
| Employee ID: 101, Name: Alice Smith |  
+-----+  
1 row in set (0.00 sec)  
  
+-----+  
| Employee_Info |  
+-----+  
| Employee ID: 103, Name: Charlie Brown |  
+-----+  
1 row in set (0.00 sec)  
  
+-----+  
| Employee_Info |  
+-----+  
| Employee ID: 105, Name: Emma Davis |  
+-----+  
1 row in set (0.00 sec)  
  
Query OK, 0 rows affected (0.00 sec)
```