Field | Type | Null | Key | Default | Extra |

+----------------+--------------+------+-----+---------+-------+

| Customer\_ID | int(11) | NO | PRI | NULL | |

| Customer\_Name | varchar(100) | YES | | NULL | |

| Customer\_Email | varchar(100) | YES | | NULL | |

+----------------+--------------+------+-----+---------+-------+

DELIMITER //

CREATE PROCEDURE UpdateOrInsertCustNew(p\_start\_id INT, p\_end\_id INT)

BEGIN

-- Declare cursor with parameters

DECLARE done INT DEFAULT 0;

DECLARE v\_customer\_id INT;

DECLARE v\_customer\_name VARCHAR(100);

DECLARE v\_customer\_email VARCHAR(100);

-- Declare parameterized cursor with start and end ID filters

DECLARE cur\_old\_customers CURSOR FOR

SELECT Customer\_ID, Customer\_Name, Customer\_Email

FROM Cust\_Old

WHERE Customer\_ID BETWEEN p\_start\_id AND p\_end\_id; -- Filtering by ID range

-- Declare handler for end of cursor

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;

-- Open the cursor

OPEN cur\_old\_customers;

-- Loop through the cursor

read\_loop: LOOP

FETCH cur\_old\_customers INTO v\_customer\_id, v\_customer\_name, v\_customer\_email;

-- Exit loop if no more rows

IF done THEN

LEAVE read\_loop;

END IF;

-- Check if the record already exists in Cust\_New

IF NOT EXISTS (

SELECT 1

FROM Cust\_New

WHERE Customer\_ID = v\_customer\_id

) THEN

-- Insert new records that do not exist in Cust\_New

INSERT INTO Cust\_New (Customer\_ID, Customer\_Name, Customer\_Email)

VALUES (v\_customer\_id, v\_customer\_name, v\_customer\_email);

END IF;

END LOOP;

-- Close the cursor

CLOSE cur\_old\_customers;

-- Commit the changes

COMMIT;

-- Optionally, you can add a message to indicate completion

SELECT 'Update or insert operation completed successfully.' AS Message;

END //

DELIMITER ;

SELECT \* FROM Cust\_Old;

+-------------+---------------+---------------------------+

| Customer\_ID | Customer\_Name | Customer\_Email |

+-------------+---------------+---------------------------+

| 1 | Alice Smith | alice.smith@example.com |

| 2 | Bob Johnson | bob.johnson@example.com |

| 3 | Charlie Brown | charlie.brown@example.com |

| 5 | Eve Adams | eve.adams@example.com |

| 6 | Frank Miller | frank.miller@example.com |

| 7 | Grace Lee | grace.lee@example.com |

| 8 | Hank Walker | hank.walker@example.com |

+-------------+---------------+---------------------------+

7 rows in set (0.00 sec)

SELECT \* FROM Cust\_New;

+-------------+---------------+---------------------------+

| Customer\_ID | Customer\_Name | Customer\_Email |

+-------------+---------------+---------------------------+

| 1 | Alice Smith | alice.smith@example.com |

| 2 | Bob Johnson | bob.johnson@example.com |

| 3 | Charlie Brown | charlie.brown@example.com |

| 5 | Eve Adams | eve.adams@example.com |

| 6 | Frank Miller | frank.miller@example.com |

| 7 | Grace Lee | grace.lee@example.com |

+-------------+---------------+---------------------------+

6 rows in set (0.01 sec)

CALL UpdateOrInsertCustNew();

+----------------------------------------------------+

| Message |

+----------------------------------------------------+

| Update or insert operation completed successfully. |

+----------------------------------------------------+

1 row in set (0.03 sec)

Query OK, 1 row affected (0.03 sec)

SELECT \* FROM Cust\_New;

+-------------+---------------+---------------------------+

| Customer\_ID | Customer\_Name | Customer\_Email |

+-------------+---------------+---------------------------+

| 1 | Alice Smith | alice.smith@example.com |

| 2 | Bob Johnson | bob.johnson@example.com |

| 3 | Charlie Brown | charlie.brown@example.com |

| 5 | Eve Adams | eve.adams@example.com |

| 6 | Frank Miller | frank.miller@example.com |

| 7 | Grace Lee | grace.lee@example.com |

| 8 | Hank Walker | hank.walker@example.com |

+-------------+---------------+---------------------------+