create database q16;

use q16;

CREATE TABLE Customer (

customer\_id INT AUTO\_INCREMENT PRIMARY KEY,

customer\_name VARCHAR(255) NOT NULL,

email VARCHAR(255) NOT NULL,

phone\_numberVARCHAR(20)

);

INSERT INTO Customer (customer\_name, email, phone\_number)

VALUES

('John Doe', 'john.doe@example.com', '123-456-7890'),

('Jane Smith', 'jane.smith@example.com', '987-654-3210'),

('Alice Johnson', 'alice.johnson@example.com', '555-555-5555'),

('Bob Brown', 'bob.brown@example.com', '111-222-3333');

DELIMITER $$

CREATE PROCEDURE GetCustomerNames()

BEGIN

DECLARE done INT DEFAULT FALSE;

DECLARE customer\_nameVARCHAR(255);

DECLARE customer\_cursor CURSOR FOR

SELECT customer\_name FROM Customer;

DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;

OPEN customer\_cursor;

read\_loop: LOOP

FETCH customer\_cursor INTO customer\_name;

IF done THEN

LEAVE read\_loop;

END IF;

SELECT customer\_name;

END LOOP;

CLOSE customer\_cursor;

END$$

DELIMITER ;

CALL GetCustomerNames();

SELECT customer\_name FROM Customer;