Ex.No: 16

Date:

**HIGH LEVEL LANGUAGE EXTENSION WITH CURSORS**

**Program 1**

Write a Cursor program using MySQL to retrieve the email-ids(build an email list) of employees from employees table.

**SOLUTION :**

create table employees(id integer, Name varchar(100), email varchar(100)); insert into employees(id, Name, email) values(1, "Harry Potter", "pharry@warnerbros.com");

insert into employees(id, Name, email) values(2, "Clark Kent", "kclark@dccomics.com");

insert into employees(id, Name, email) values(3, "Tony Stark", "stony@marvel.com");

DELIMITER //

CREATE PROCEDURE build\_email\_list (INOUT email\_listvarchar(4000))

BEGIN

DECLARE v\_finished INTEGER DEFAULT 0;

DECLARE v\_emailvarchar(100) DEFAULT "";

-- declare cursor for employee email

DEClAREemail\_cursor CURSOR FOR

SELECT email FROM employees;

-- declare NOT FOUND handler

DECLARE CONTINUE HANDLER FOR

NOT FOUND SET v\_finished = 1;

OPEN email\_cursor;

get\_email: LOOP

FETCH email\_cursor INTO v\_email;

IF v\_finished = 1 THEN

LEAVE get\_email;

END IF;

-- build email list

SET email\_list = CONCAT(v\_email,";",email\_list);

END LOOP get\_email;

CLOSE email\_cursor;

END //

DELIMITER ;

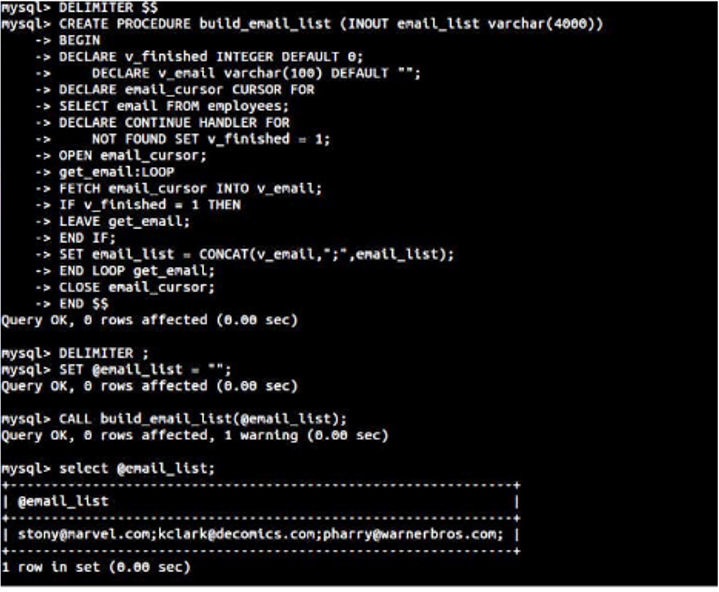
-- Calling the procedure and getting the email list

SET @email\_list = "";

CALL build\_email\_list(@email\_list);

SELECT @email\_list;

**OUTPUT:**



**RESULT:**

stony@marvel.com;kclark@dccomics.com;pharry@warnerbros.com;