#### EX NO:16

#### 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](mailto:pharry@warnerbros.com)");

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

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

