* 資料庫DDL

**創建vote資料庫:**

CREATE DATABASE vote;

**創建voteitem資料表和欄位:**

CREATE TABLE `voteitem`(

`voteId` INT PRIMARY KEY,

`voteItemName` VARCHAR(30)

);

**創建votelog資料表和欄位:**

CREATE TABLE `votelog`  
(  
 `voteName` VARCHAR(30),  
 `voteId` INT,  
);

* 資料庫DML

1. **傳送投票項目以及各項目總票數的stored procedure:**

DELIMITER $$

USE `vote` $$

DROP PROCEDURE IF EXISTS `read\_vote` $$

CREATE PROCEDURE `read\_vote`()

BEGIN

SELECT voteId, voteItemName, (SELECT COUNT(voteId)

FROM `votelog`

WHERE voteId=voteitem.voteId) AS collect

FROM `voteitem`;

END $$

DELIMITER ;

1. **新增投票項目的stored procedure:**

DELIMITER $$

USE `vote` $$

DROP PROCEDURE IF EXISTS `insert\_vote\_item` $$

CREATE PROCEDURE `insert\_vote\_item`(

IN in\_vote\_item VARCHAR(30)

)

BEGIN

INSERT INTO voteitem(voteItemName) VALUES(in\_vote\_item);

END $$

DELIMITER ;

1. **新增投票者與投票Id 的stored procedure**

DELIMITER $$

USE `vote` $$

DROP PROCEDURE IF EXISTS `insert\_vote` $$

CREATE PROCEDURE `insert\_vote`(

IN in\_vote\_name VARCHAR(30),

IN in\_vote\_id INT

)

BEGIN

INSERT INTO votelog(voteName, voteId) VALUES(in\_vote\_name, in\_vote\_id);

END $$

DELIMITER ;

1. **刪除投票項目的stored procedure:**

DELIMITER $$

USE `vote` $$

DROP PROCEDURE IF EXISTS `del\_vote\_item` $$

CREATE PROCEDURE `del\_vote\_item`(

IN in\_vote\_id INT

)

BEGIN

DELETE FROM voteitem WHERE voteId = in\_vote\_id;

END $$

DELIMITER ;

5. **新增資料在votelog資料表:**

INSERT INTO votelog(voteName, voteId) VALUES ("kyle", 2);  
INSERT INTO votelog(voteName, voteId) VALUES ("kyle", 1);  
INSERT INTO votelog(voteName, voteId) VALUES ("candy", 1);  
INSERT INTO votelog(voteName, voteId) VALUES ("gary", 3);

6. **新增資料在voteitem資料表:**

INSERT INTO voteitem(voteItemName) VALUES("電腦");

INSERT INTO voteitem(voteItemName) VALUES("鍵盤");