

ข้อที่ 1

สร้างฐานข้อมูล

```
CREATE DATABASE University;
```

สร้างตาราง Faculty

```
CREATE TABLE `faculty` (  
    `facultyid` varchar(11) NOT NULL,  
    `facultyname` varchar(50) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

สร้างตาราง Teacher

```
CREATE TABLE `teacher` (  
    `id` varchar(11) NOT NULL,  
    `t_name` varchar(50) DEFAULT NULL,  
    `t_sun` varchar(50) DEFAULT NULL,  
    `gender` varchar(50) DEFAULT NULL,  
    `age` varchar(11) DEFAULT NULL,  
    `facultyid` varchar(11) DEFAULT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
```

กำหนด PRIMARY KEY และ FOREIGN KEY

```
ALTER TABLE `teacher`  
    ADD PRIMARY KEY (`id`),  
    ADD FOREIGN KEY (`facultyid`);  
COMMIT;
```

เพิ่มข้อมูลในตาราง Faculty

```
INSERT INTO `faculty` (`facultyid`, `facultyname`) VALUES ('F001', 'Science'), ('F002', 'Law');
```

ข้อที่ 2

```
INSERT INTO `teacher` (`id`, `t_name`, `t_sun`, `gender`, `age`, `facultyid`) VALUES  
(T001, 'Amornrip', 'Prayoonwong', 'F', '39', 'F001'),  
(T002, 'Chantra', 'Boonwichai', 'F', '40', 'F001'),  
(T003, 'Preedee', 'Makong', 'F', '41', 'F002');
```











ข้อที่ 3

```
UPDATE `teacher` SET `id`="T001",`gender`="F",`age`="39",`facultyid`="F003" WHERE id =  
"T001"
```

<div><div><div>←</div><div>T</div><div>→</div></div></div>					id	t_name	t_sun	gender	age	facutyid
<div><div><div></div></div></div>	<div><div><div></div></div></div> Edit	<div><div><div></div></div></div> Copy	<div><div><div></div></div></div> Delete	T001	Amornrip	Prayoonwong	F	39	F003	
<div><div><div></div></div></div>	<div><div><div></div></div></div> Edit	<div><div><div></div></div></div> Copy	<div><div><div></div></div></div> Delete	T002	Chantra	Boonwichai	F	40	F001	
<div><div><div></div></div></div>	<div><div><div></div></div></div> Edit	<div><div><div></div></div></div> Copy	<div><div><div></div></div></div> Delete	T003	Preedee	Makong	F	41	F002	

ข้อที่ 4

```
UPDATE `teacher` SET `id`="T001",`gender`="F",`age`="39",`facultyid`="F001" WHERE id =  
"T001"
```

 												
					id	t_name	t_sun	gender	age	facutyid		
<input type="checkbox"/>		Edit		Copy		Delete	T001	Amornrip	Prayoonwong	F	39	F001
<input type="checkbox"/>		Edit		Copy		Delete	T002	Chantra	Boonwichai	F	40	F001
<input type="checkbox"/>		Edit		Copy		Delete	T003	Preedee	Makong	F	41	F002

ข้อที่ 5

SELECT * FROM `teacher` WHERE age="40"

	id	t_name	t_sun	gender	age	facultyid
<input type="checkbox"/> Edit <input type="button" value="Copy"/> <input type="button" value="Delete"/>	T002	Chantra	Boonwichai	F	40	F001

ข้อที่ 6

SELECT * FROM teacher

JOIN faculty

ON teacher.facutyid = faculty.facultyid

WHERE facultyname="Science"

id	t_name	t_sun	gender	age	facutyid	facultyid	facultyname
T001	Amorntip	Prayoonwong	F	39	F001	F001	Science
T002	Chantra	Boonwichai	F	40	F001	F001	Science