OBSERVATION REPORT

SQL Hands On 5

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Batch WD37

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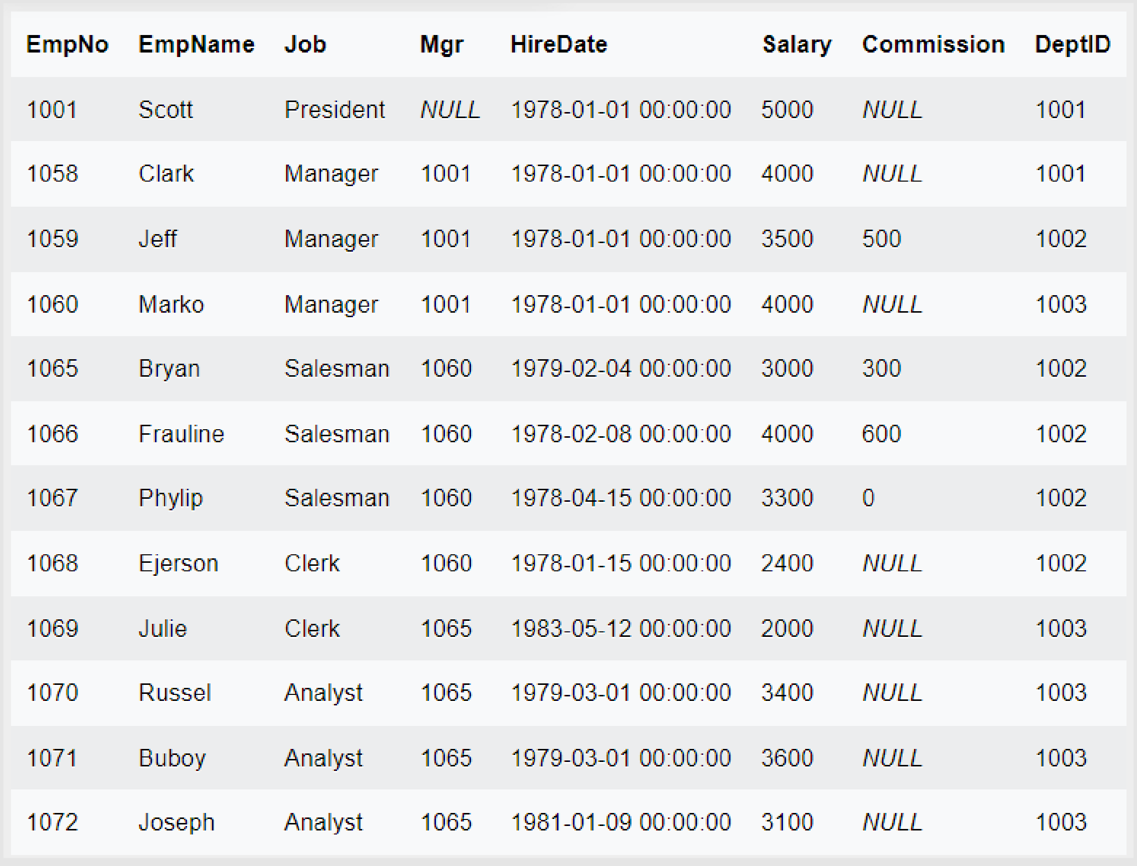
Instructor: Sir Alfren

1. Create a stored procedure for the employee table.
   - select all employee records.

```
CREATE PROCEDURE GetAllEmployee()
SELECT * from employee;

CALL `GetAllEmployee`();
```

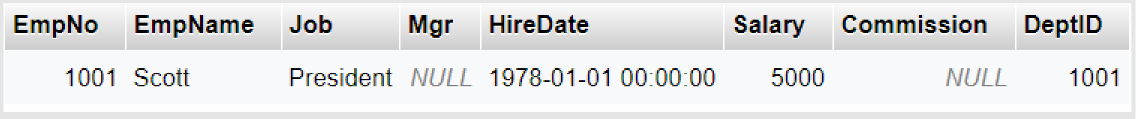


EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
1001	Scott	President	*NULL*	1978-01-01 00:00:00	5000	*NULL*	1001
1058	Clark	Manager	1001	1978-01-01 00:00:00	4000	*NULL*	1001
1059	Jeff	Manager	1001	1978-01-01 00:00:00	3500	500	1002
1060	Marko	Manager	1001	1978-01-01 00:00:00	4000	*NULL*	1003
1065	Bryan	Salesman	1060	1979-02-04 00:00:00	3000	300	1002
1066	Frauline	Salesman	1060	1978-02-08 00:00:00	4000	600	1002
1067	Phylip	Salesman	1060	1978-04-15 00:00:00	3300	0	1002
1068	Ejerson	Clerk	1060	1978-01-15 00:00:00	2400	*NULL*	1002
1069	Julie	Clerk	1065	1983-05-12 00:00:00	2000	*NULL*	1003
1070	Russel	Analyst	1065	1979-03-01 00:00:00	3400	*NULL*	1003
1071	Buboy	Analyst	1065	1979-03-01 00:00:00	3600	*NULL*	1003
1072	Joseph	Analyst	1065	1981-01-09 00:00:00	3100	*NULL*	1003

- select employee by id.(With Parameter)

```
CREATE PROCEDURE GetEmployeeById(IN id INT)
SELECT * FROM employee WHERE EmpNo = id;

SET @p0='1001'; CALL GetEmployeeById(@p0);
```

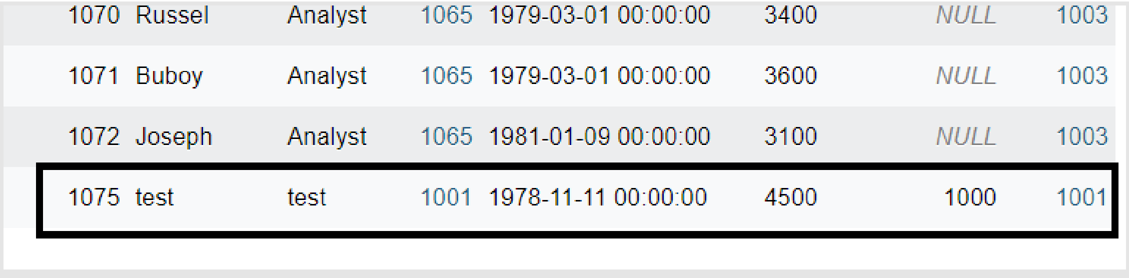


EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
1001	Scott	President	*NULL*	1978-01-01 00:00:00	5000	*NULL*	1001

- insert new employee.(With Parameter)

```
CREATE PROCEDURE InsertNewEmployee(
IN name VARCHAR(11), IN job VARCHAR(11), IN mgr INT, IN hiredate DATETIME, IN salary INT, IN
`commission` INT, IN deptid INT )
INSERT INTO employee (EmpName, Job, Mgr, HireDate, Salary, Commission, DeptID)
VALUES (name,job,mgr,hiredate,salary,commission,deptid);

SET @p0='test', @p1='test', @p2='1001', @p3='1978-11-11 00:00:00', @p4='4500', @p5='1000',
@p6='1001';
CALL InsertNewEmployee(@p0, @p1, @p2, @p3, @p4, @p5, @p6);
```

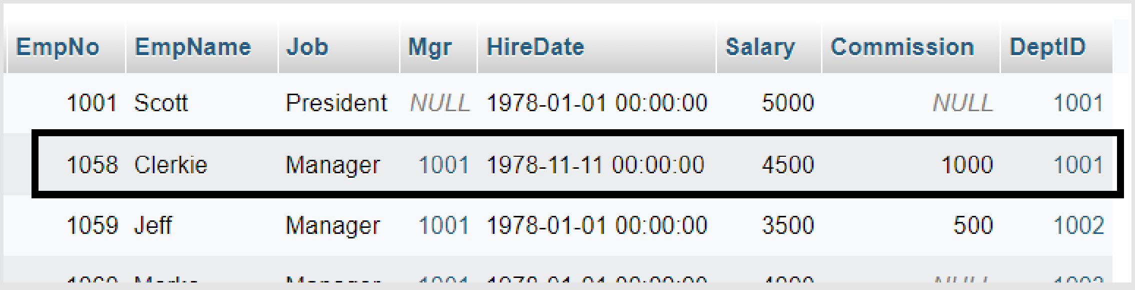


1070	Russel	Analyst	1065	1979-03-01 00:00:00	3400	NULL	1003
1071	Buboy	Analyst	1065	1979-03-01 00:00:00	3600	NULL	1003
1072	Joseph	Analyst	1065	1981-01-09 00:00:00	3100	NULL	1003
1075	test	test	1001	1978-11-11 00:00:00	4500	1000	1001

- update employee records.(With Parameter)

```
CREATE PROCEDURE UpdateEmployeeById(
 IN id INT, IN empname VARCHAR(11), IN job VARCHAR(11), IN mgr INT, IN hiredate DATETIME, IN
salary INT, IN commission INT, IN deptid INT )
UPDATE employee e
SET e.EmpName=empname, e.Job=job, e.Mgr=mgr,e.HireDate=hiredate, e.Salary=salary,
e.Commission=commission, e.DeptID=deptid
WHERE e.EmpNo=id;
```

```
SET @p0='1058', @p1='Clerkie', @p2='Manager', @p3='1001', @p4='1978-11-11 00:00:00',
@p5='4500', @p6='1000', @p7='1001';
CALL `UpdateEmployeeById`(@p0, @p1, @p2, @p3, @p4, @p5, @p6, @p7);
```

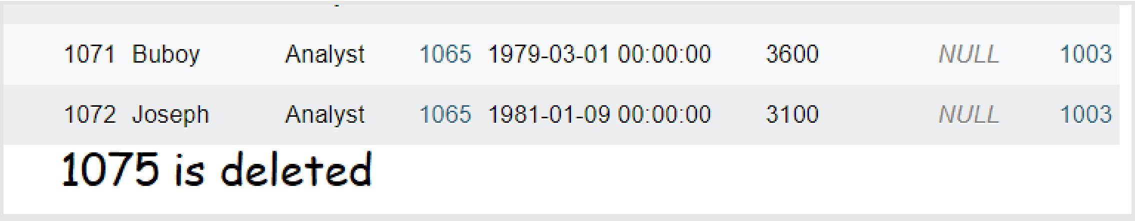


EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
1001	Scott	President	NULL	1978-01-01 00:00:00	5000	NULL	1001
1058	Clerkie	Manager	1001	1978-11-11 00:00:00	4500	1000	1001
1059	Jeff	Manager	1001	1978-01-01 00:00:00	3500	500	1002
1060	Marks	Manager	1001	1978-01-01 00:00:00	4000	NULL	1003

- delete employee.(With Parameter)

```
CREATE PROCEDURE DeleteEmployeeById(IN id INT)
DELETE FROM employee WHERE EmpNo = id;
```

```
SET @p0='1075'; CALL `DeleteEmployeeById`(@p0);
```



1071	Buboy	Analyst	1065	1979-03-01 00:00:00	3600	NULL	1003
1072	Joseph	Analyst	1065	1981-01-09 00:00:00	3100	NULL	1003

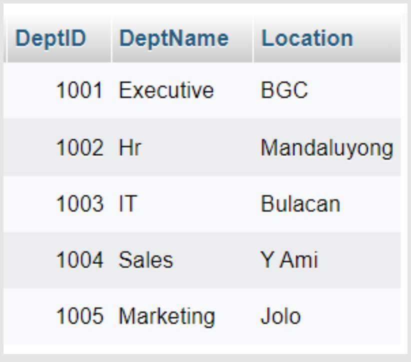
1075 is deleted

2. Create a stored procedure for department table

- select all department records.

```
CREATE PROCEDURE GetAllDepartment()
SELECT * from department;
```

```
CALL GetAllDepartment();
```

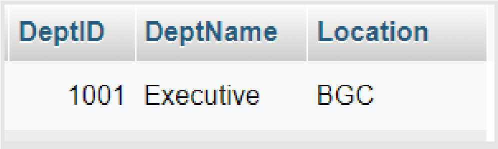


DeptID	DeptName	Location
1001	Executive	BGC
1002	Hr	Mandaluyong
1003	IT	Bulacan
1004	Sales	Y Ami
1005	Marketing	Jolo

- select department by department id.(With Parameter)

```
CREATE PROCEDURE GetDepartmentById(IN id INT)
SELECT * FROM department WHERE DeptID= id;

SET @p0='1001'; CALL GetDepartmentById(@p0);
```

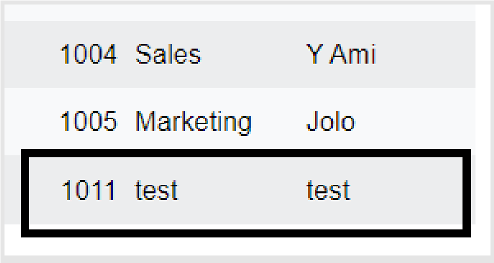


DeptID	DeptName	Location
1001	Executive	BGC

- insert new department.(With Parameter)

```
CREATE PROCEDURE InsertNewDepartment(
IN name VARCHAR(11), IN location VARCHAR(11) )
INSERT INTO employee (DeptName, Location)
VALUES (name,location);

SET @p0='test', @p1='test';
CALL InsertNewDepartment(@p0, @p1);
```

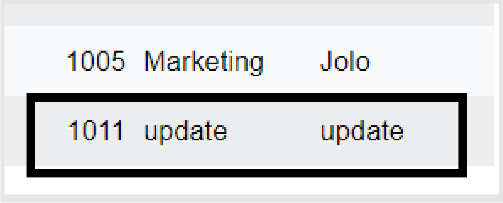


1004	Sales	Y Ami
1005	Marketing	Jolo
1011	test	test

- update department records.(With Parameter)

```
CREATE PROCEDURE UpdateDepartmentById(
 IN id INT, IN name VARCHAR(11), IN location VARCHAR(11) )
UPDATE department d
SET d.DeptName=name, d.Location=location
WHERE d.DeptID=id;

SET @p0='1011', @p1='update', @p2='update';
CALL UpdateDepartmentById(@p0, @p1, @p2);
```

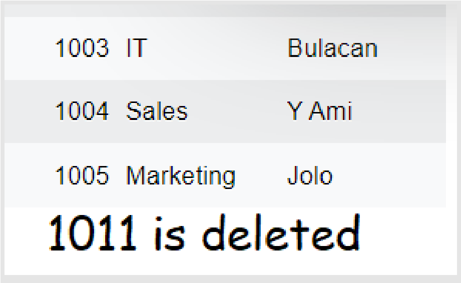


1005	Marketing	Jolo
1011	update	update

- delete department.(With Parameter)

```
CREATE PROCEDURE DeleteDepartmentById(IN id INT)
DELETE FROM department WHERE DeptID = id;

SET @p0='1011'; CALL DeleteDepartmentById(@p0);
```



1003	IT	Bulacan
1004	Sales	Y Ami
1005	Marketing	Jolo

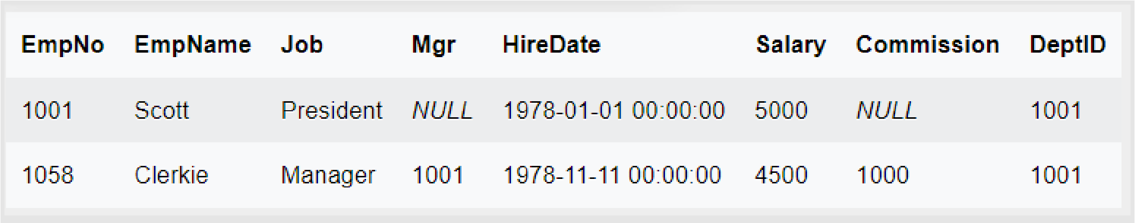
1011 is deleted

3. Create a stored procedure for the following requirement.

- get the list of employees by searching department name.(With Parameter)

```
CREATE PROCEDURE GetAllEmployeesByDeptId(IN id INT)
SELECT * FROM employee e WHERE e.DeptID=id;

SET @p0='1001'; CALL `GetAllEmployeesByDeptId`(@p0);
```

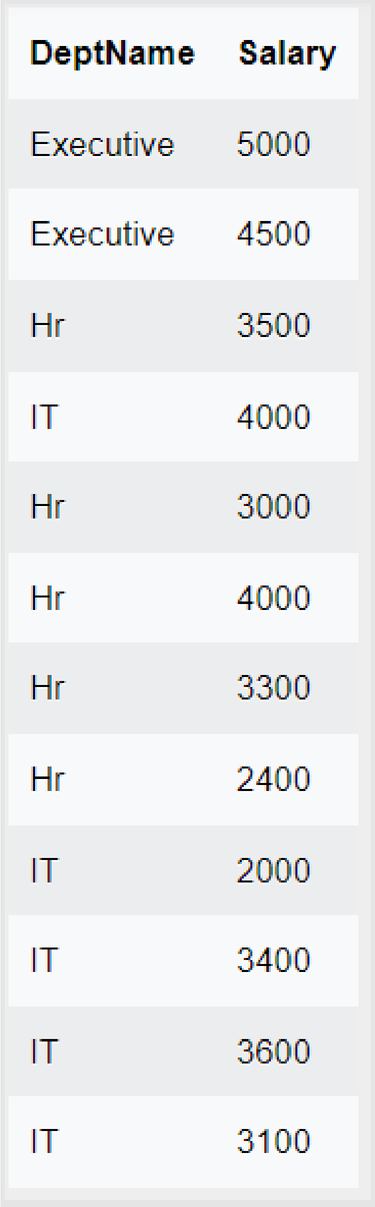


EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
1001	Scott	President	*NULL*	1978-01-01 00:00:00	5000	*NULL*	1001
1058	Clerkie	Manager	1001	1978-11-11 00:00:00	4500	1000	1001

- get the list of distinct salaries per department name.

```
CREATE PROCEDURE DistinctSalaryPerDept()
SELECT DISTINCT d.DeptName, e.Salary
FROM department d
INNER JOIN employee e
ON d.DeptID = e.DeptID;

CALL `DistinctSalaryPerDept`();
```

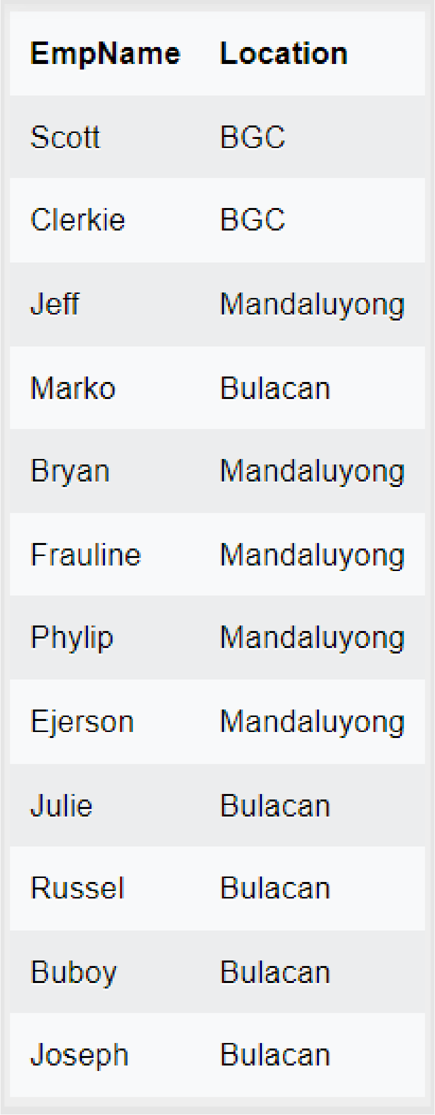


DeptName	Salary
Executive	5000
Executive	4500
Hr	3500
IT	4000
Hr	3000
Hr	4000
Hr	3300
Hr	2400
IT	2000
IT	3400
IT	3600
IT	3100

- get the name of the employee and their assigned location. (With Parameter)

```
CREATE PROCEDURE GetEmployeeAndLocation()
SELECT e.EmpName, d.Location
FROM employee e
INNER JOIN department d
ON e.DeptID = d.DeptID

CALL `GetEmployeeAndLocation`();
```



EmpName	Location
Scott	BGC
Clerkie	BGC
Jeff	Mandaluyong
Marko	Bulacan
Bryan	Mandaluyong
Frauline	Mandaluyong
Phylip	Mandaluyong
Ejerson	Mandaluyong
Julie	Bulacan
Russel	Bulacan
Buboy	Bulacan
Joseph	Bulacan