SQL Activity 1

Adrian Fabian E. Abellanosa Jr.
WD37

Creating Database

```
Run SQL query/queries on server "127.0.0.1":

1  CREATE DATABASE KodeGoSQLactivity;
```

Creating Table Employee

```
1  CREATE TABLE employee(
2      EmpNo int(11) NOT NULL,
3      EmpName varchar(100) NOT NULL,
4      Job varchar(100) NOT NULL,
5      Mgr int(11),
6      HireDate date NOT NULL,
7      Salary decimal(10, 0) NOT NULL,
8      Commission int(11),
9      DeptID int(11) NOT NULL,
10     PRIMARY KEY(EmpNo)
11 );
```

```
1  CREATE TABLE department (
2      DeptID int(11) NOT NULL,
3      DeptName varchar(100) NOT NULL,
4      Location varchar(50) NOT NULL,
5      PRIMARY KEY(DeptID)
6      );
```

Difficulties: Tried to assign primary by putting it after "EmpNo Int(11)". Like "EmpNo int(11) PRIMARY

NOT NULL" and it gives syntax error.

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Insert data into Table

```
1  INSERT INTO Employee (EmpNo, EmpName, Job, Mgr, HireDate, Salary, Commission, DeptID)
2  VALUES
3      (1001, 'Scott', 'President', Null, '1978-01-01 00:00:00', 5000, Null, 1001),
4      (1058, 'Clark', 'Manager', 1001, '1978-01-01 00:00:00', 4000, Null, 1001),
5      (1059, 'Jeff', 'Manager', 1001, '1978-01-01 00:00:00', 3500, 500, 1002),
6      (1060, 'Marko', 'Manager', 1001, '1978-01-01 00:00:00', 4000, Null, 1003),
7      (1065, 'Bryan', 'Salesman', 1060, '1979-02-04 00:00:00', 3000, Null, 1002),
8      (1066, 'Frauline', 'Salesman', 1060, '1978-02-08 00:00:00', 4000, 600, 1002),
9      (1067, 'Phylip', 'Salesman', 1060, '1978-04-15 00:00:00', 3300, 0, 1002),
10     (1068, 'Ejerson', 'Clerk', 1060, '1978-02-15 00:00:00', 2400, Null , 1002),
11     (1069, 'Julie', 'Clerk', 1065, '1983-05-12 00:00:00', 2000, Null , 1003),
12     (1070, 'Russel', 'Analyst', 1065, '1979-03-01 00:00:00', 3400, Null , 1003),
13     (1071, 'Buboy', 'Analyst', 1065, '1979-03-01 00:00:00', 3600, Null , 1003),
14     (1072, 'Joseph', 'Analyst', 1065, '1981-01-09 00:00:00', 3100, Null , 1003);
```

```
1  INSERT INTO department (DeptID, DeptName, Location)
2  VALUES
3      (1001, 'Executive', 'BGC'),
4      (1002, 'HR', 'Mandaluyong'),
5      (1003, 'IT', 'Bulacan'),
6      (1004, 'Sales', 'Y Ami'),
7      (1005, 'Marketing', 'Jolo');
```
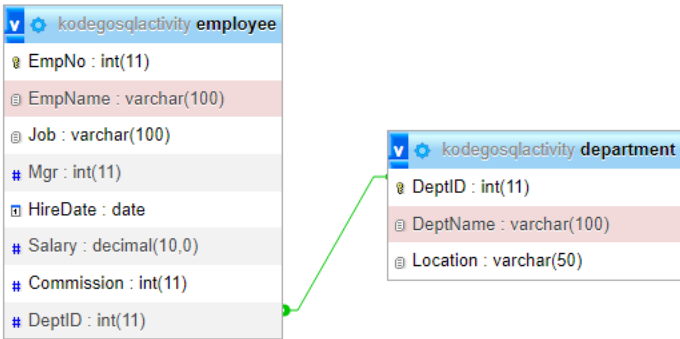
Difficulties, Tried not using ' for string values and doesn't work, even for dates.

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Adding foreign/primary key relation

```
1  ALTER TABLE employee
2  ADD FOREIGN KEY (DeptID) REFERENCES department(DeptID);
```


Adding Constrain relationship

```
1  ALTER TABLE employee
2      ADD CONSTRAINT mgrEmpRel FOREIGN KEY (Mgr) REFERENCES employee(EmpNo)
3
```