LAB 5

Stored Procedures

Name1: Abdelrahman Aly Abdallah Abdelrahman EL-Khazendar

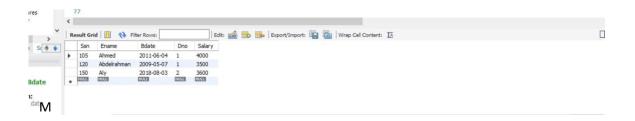
ID1: 38

Name2:Ahmed Adel Mohamed Atef

ID2: 7

Steps:

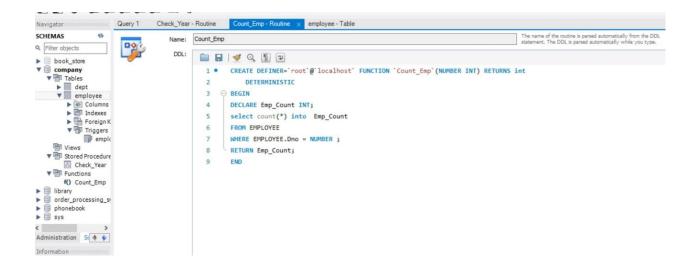
- 1. We created the schema COMPANY that has 2 tables DEPT and EMPLOYEE
- 2.After creating each table with its primary key, We altered tables by adding foreign keys
- 3.We inserted some values in tables then select them
 Here is the employee table



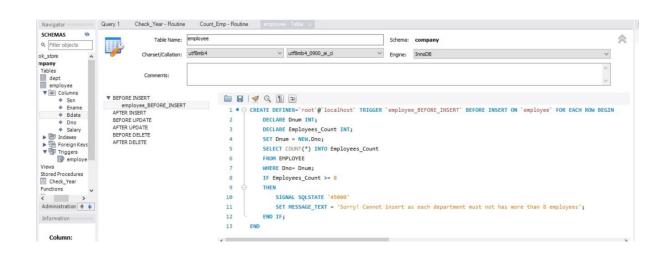
Here is the dept table



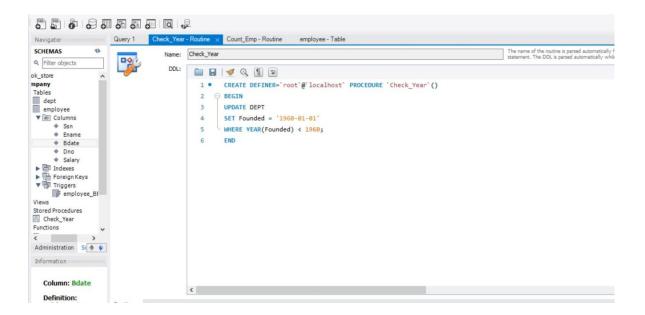
4. We created the function Count_Emp



5. We created the trigger (in table employee)

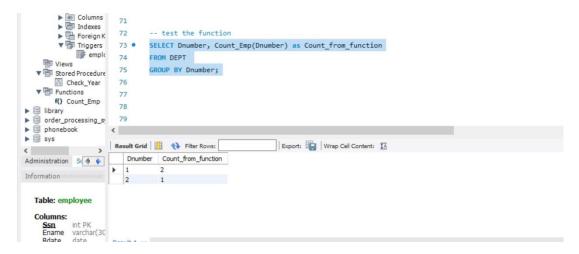


6. We created the procedure

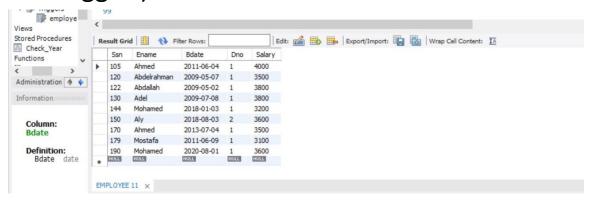


Screenshots of the results:

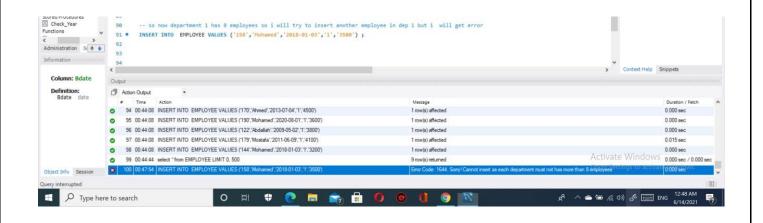
 We tested the function (this result according to the values we inserted and their screenshot provided before

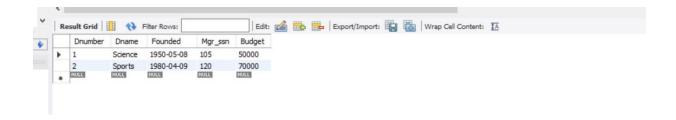


 We tested the trigger (We added values to the values we added before to make number of employees in department 1 equal 8 then we tried to insert another employee but we had an error because of the trigger)

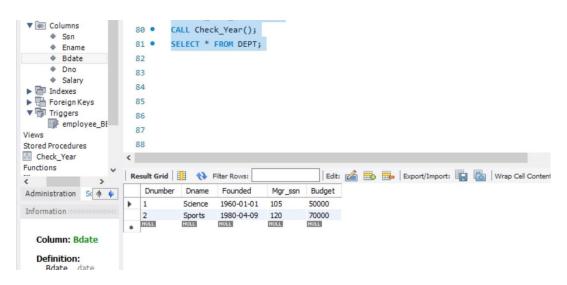


We tested the procedure
 The values before:





Then (after testing the procedure): (the founded year of Dnumber 1 was 1950 < 1960 so its date became 1960-01-01)



(Note: In the screenshots and all my work I created the function, procedure and trigger through navigator in independent file but last I put them in the original file so that I can give the link to only one file)

```
Ssn
                    91 •
                            -- I created the procedure
        • Fname
                    92
                    93
                            DROP procedure IF EXISTS 'Check Year';
        Dno
        Salary
                    94
    Indexes
Foreign K
                    95
                            DELIMITER SS
                           CREATE DEFINER='root'@'localhost' PROCEDURE 'Check_Year'()
                            UPDATE DEPT
  Stored Procedure
                            SET Founded = '1960-01-01'
                            WHERE YEAR(Founded) < 1960;
  f() Count_Emp
                   101
                           END$$
order_processing_sy
Administration | |
                   106
                   107 •
                           -- I created the trigger
                   108
                   109
                            DROP TRIGGER IF EXISTS 'company'.'employee BEFORE INSERT';
```