Esha Attiq

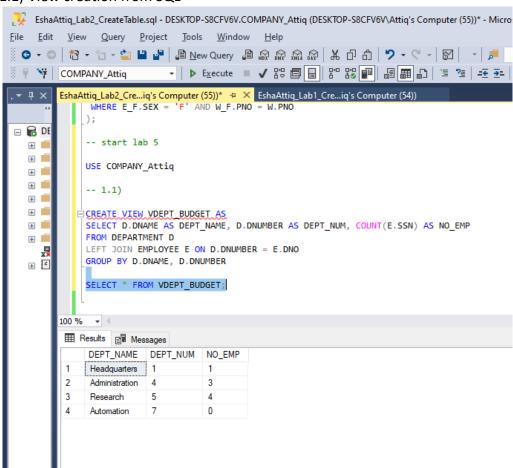
CIS 430

LAB 5: 2 parts; View and Stored Procedure using Cursor

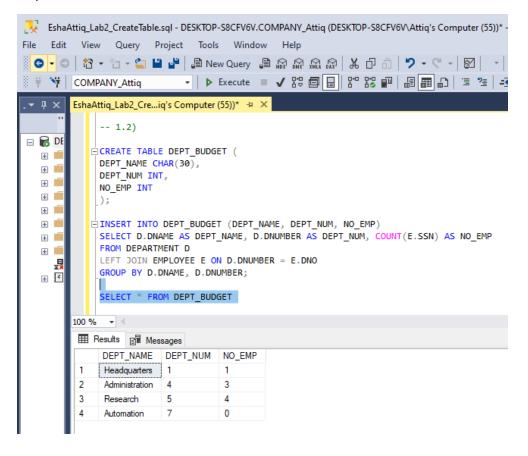
NOTE: I had technical difficulties with my laptop, I had actually just returned it to Best Buy on Friday, and my Lab wasn't be able to be done on time. However, I'm using a laptop at home and had to restart so It'll just look late. [I emailed the TA and tried to email the professor, thank you!]

PART 1

1.1) View creation from SQL

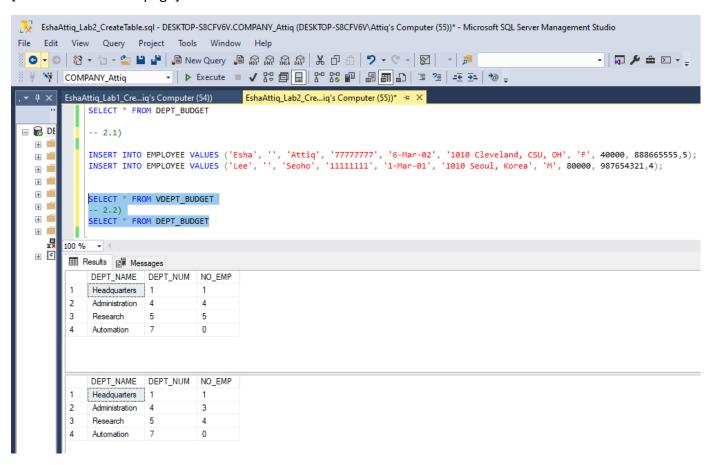


1.2) Table creation from the same SQL as in 1.1

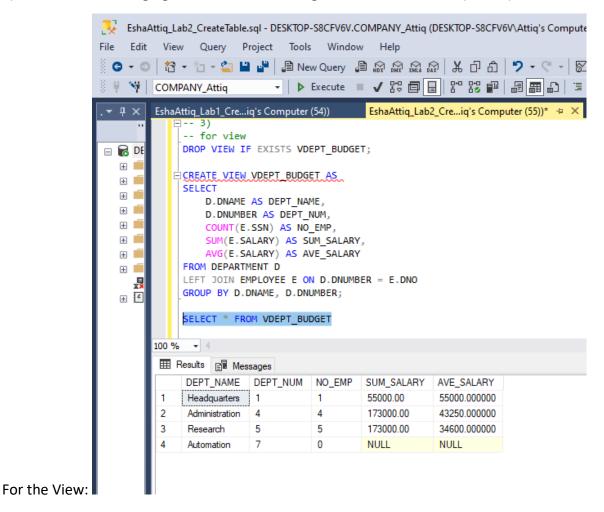


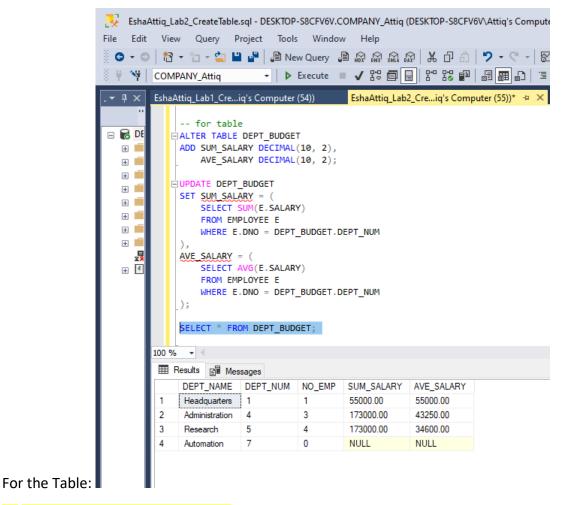
- 2.
- 2.1) adding myself and another employee, then showing the View VDEPT_BUDGET content again.
- 2.2) I also showed the Table DEPT_BUDGET. Notice how the Table wasn't affected but the View is.

[screenshot on next page]



3) differences in changing the scheme of existing view and table. Part 1) and 2) is shown.





#2 Stored Procedure using a Cursor

This 2nd part was giving me errors, some glitches. Although my code is correct. I will provide outputs either way to gain as much points as I can, since some parts work. Thank you.

```
EshaAttiq_Lab2_Cre...iq's Computer (54))* 💠 🗶
                SELECT * FROM DEPT_BUDGET;
 🖃 腸 DE
   +
                CREATE PROCEDURE SP_REPORT_NEW_BUDGET()
   + 1
             BEGIN
   +
                  DECLARE done INT DEFAULT FALSE;
   + 1
                  DECLARE dept_name CHAR(30);
   + 1
                  DECLARE dept_number INT;
   + 1
                  DECLARE no_emp INT;
   ±
                  DECLARE sum_salary INT:
   +
                  DECLARE ave_salary INT;
   + 4
                  DROP TABLE IF EXISTS NEW DEPT BUDGET;
                 CREATE TABLE NEW DEPT BUDGET (
                  DEPT_NO INT,
DEPT_NAME CHAR(30),
                    COUNT_EMP INT,
                    NEW_SUM_SALARY INT,
                    NEW_AVE_SALARY INT
                  DECLARE CUR CURSOR FOR SELECT DEPT_NAME, DEPT_NUM, NO_EMP, SUM_SALARY, AVE_SALARY FROM VDEPT_BUDGET;
                  DECLARE CONTINUE HANDLED FOR MOT FOUND SET done - TRUE.
          100 %

    Messages

              Commands completed successfully.
              Completion time: 2023-11-25T21:13:18.3486423-05:00
           100 % -
                     COMPANY_Attiq
EshaAttiq_Lab2_Cre...iq's Computer (54)) 💠 🗙
        IF DEPT_NUM = 1 THEN
SET_SUM_SALARY = SUM_SALARY* 1.1;
ELSEIF DEPT_NUM = 4 THEN
        SET SUM_SALARY = SUM_SALARY * 1.2;
ELSEIF DEPT_NUM = 5 THEN
         SET SUM_SALARY = SUM_SALARY * 1.3;
ELSEIF DEPT_NUM = 7 THEN
          SET SUM_SALARY = SUM_SALARY * 1.4;
        END IF;
         INSERT INTO NEW_DEPT_BUDGET (DEPT_NO, DEPT_NAME, COUNT_EMP, NEW_SUM_SALARY, NEW_AVE_SALARY)
        VALUES (DEPT NUM, DEPT NAME, NO EMP, SUM SALARY, AVE SALARY);
      END LOOP;
      CLOSE CUR:
100 %

    Messages

  Msg 102, Level 15, State 1, Procedure SP_REPORT_NEW_BUDGET, Line 3 [Batch Start Line 393]
   Incorrect syntax near ')'
   Msg 155, Level 15, State 2, Procedure SP_REPORT_NEW_BUDGET, Line 5 [Batch Start Line 393]
   'INT' is not a recognized CURSOR option.
   Msg 155, Level 15, State 2, Procedure SP_REPORT_NEW_BUDGET, Line 6 [Batch Start Line 393]
   'CHAR' is not a recognized CURSOR option.
   Msg 155, Level 15, State 2, Procedure SP_REPORT_NEW_BUDGET, Line 7 [Batch Start Line 393]
   'INT' is not a recognized CURSOR option.
   Msg 155, Level 15, State 2, Procedure SP_REPORT_NEW_BUDGET, Line 8 [Batch Start Line 393]
   'INT' is not a recognized CURSOR option.
  Msg 155, Level 15, State 2, Procedure SP_REPORT_NEW_BUDGET, Line 9 [Batch Start Line 393]
   'INT' is not a recognized CURSOR option.
  Msg 155, Level 15, State 2, Procedure SP_REPORT_NEW_BUDGET, Line 10 [Batch Start Line 393]
'INT' is not a recognized CURSOR option.
100.94
```

```
▶ Execute ■ ✓ 📅 🗐 🔒 📅 📆
 COMPANY Attiq
 EshaAttiq_Lab2_Cre...iq's Computer (54))* → ×
          VALUES (DEPT NUM, DEPT NAME, NO EMP, SUM SALARY,
        END LOOP;
        CLOSE CUR;
        SELECT COUNT(*) INTO DONE FROM VDEPT BUDGET;
        IF DONE > 0 THEN
          SELECT * FROM VDEPT_BUDGET;
          SELECT 'VDEPT BUDGET IS EMPTY.';
       END IF;
        SELECT * FROM NEW DEPT BUDGET;
      END:
 100 % 🕶 🖪
  Messages
    Msg 156, Level 15, State 1, Line 448
    Incorrect syntax near the keyword 'THEN'.
    Msg 156, Level 15, State 1, Line 450
    Incorrect syntax near the keyword 'ELSE'.
    Msg 156, Level 15, State 1, Line 452
    Incorrect syntax near the keyword 'IF'.
    Completion time: 2023-11-25T21:19:57.6360845-05:00
        COMPANY_Attiq → ▶ Execute ■ ✔ 뫙 🗊 🖫 🔡 📰 🔝 📰
   EshaAttiq_Lab2_Cre...iq's Computer (54))* 💠 🗶
        CLOSE CUR;
DE
        SELECT COUNT(*) INTO DONE FROM VDEPT_BUDGET;
        IF DONE > 0 THEN
          SELECT * FROM VDEPT_BUDGET;
          SELECT 'VDEPT_BUDGET IS EMPTY.';
     END IF;
慐
        SELECT * FROM NEW_DEPT_BUDGET;
  100 % 🕶 🔻
   Results Messages
       DEPT_NO DEPT_NAME COUNT_EMP NEW_SUM_SALARY NEW_AVE_SALARY
                                                                In case you need it: here is
```

```
the code for Part 2, some parts, again, work. But I have provided the outputs I am getting. (:
-- part 2
CREATE PROCEDURE SP_REPORT_NEW_BUDGET()
BEGIN
DECLARE done INT DEFAULT FALSE;
 DECLARE dept_name CHAR(30);
 DECLARE dept number INT;
 DECLARE no_emp INT;
 DECLARE sum_salary INT;
 DECLARE ave salary INT;
 DROP TABLE IF EXISTS NEW_DEPT_BUDGET;
 CREATE TABLE NEW DEPT BUDGET (
  DEPT NO INT,
  DEPT_NAME CHAR(30),
  COUNT EMP INT,
  NEW SUM SALARY INT,
  NEW AVE SALARY INT
 );
 DECLARE CUR CURSOR FOR SELECT DEPT_NAME, DEPT_NUM, NO_EMP, SUM_SALARY,
AVE_SALARY FROM VDEPT_BUDGET;
 DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;
```

```
OPEN CUR;
read loop: LOOP
 FETCH CUR INTO DEPT_NAME, DEPT_NUM, NO_EMP, SUM_SALARY, AVE_SALARY;
 IF DONE THEN
  LEAVE read_loop;
 END IF;
 IF DEPT_NUM = 1 THEN
  SET SUM SALARY = SUM SALARY* 1.1;
 ELSEIF DEPT_NUM = 4 THEN
  SET SUM_SALARY = SUM_SALARY * 1.2;
 ELSEIF DEPT NUM = 5 THEN
  SET SUM_SALARY = SUM_SALARY * 1.3;
 ELSEIF DEPT_NUM = 7 THEN
  SET SUM SALARY = SUM SALARY * 1.4;
 END IF;
 INSERT INTO NEW_DEPT_BUDGET (DEPT_NO, DEPT_NAME, COUNT_EMP,
NEW_SUM_SALARY, NEW_AVE_SALARY)
 VALUES (DEPT_NUM, DEPT_NAME, NO_EMP, SUM_SALARY, AVE_SALARY);
END LOOP;
CLOSE CUR;
SELECT COUNT(*) INTO DONE FROM VDEPT_BUDGET;
```

```
IF DONE > 0 THEN

SELECT * FROM VDEPT_BUDGET;

ELSE

SELECT 'VDEPT_BUDGET IS EMPTY.';

END IF;

SELECT * FROM NEW_DEPT_BUDGET;

END;
```