Ahmed Elsayed Ahmed sneed

ID: 4211142 -A4-

S2 "Bonus" (Database)

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> create table students with columns (ID (primary key), student_name (NOT NULL), department)

> Add a column to this table (GPA > DECIMAL (3,2))

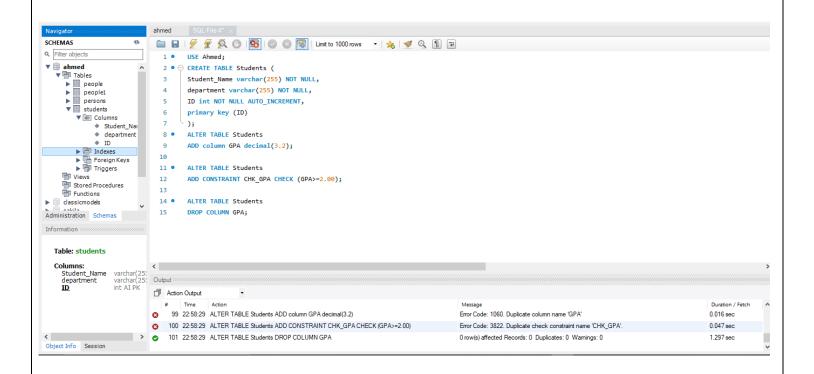
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ahmed

√ √ √ 0 | √ 0 | √ 0 | √ 0 | √ 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0 | ← 0
                                                                            USE Ahmed;
                     2 ● ○ CREATE TABLE Students (
                                                                           Student_Name varchar(255) NOT NULL,
                     3
                    4
                                                                           department varchar(255) NOT NULL,
                                                                           ID int NOT NULL AUTO_INCREMENT,
                    5
                                                                            primary key (ID)
                    6
                    7
                                                                          );
                                                                            ALTER TABLE Students
                                                                           ADD column GPA decimal(3.2);
             10
```

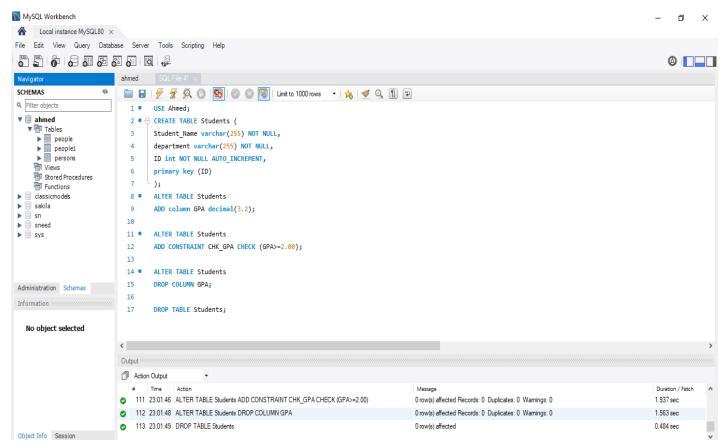
> Add constraint to the column GPA > default value = 2.00

```
10
 11 •
          ALTER TABLE Students
          ADD CONSTRAINT CHK_GPA CHECK (GPA>=2.00);
 12
Dutput
Action Output
         Time
                  Action
                                                                                                      Message
                                                                                                                                                                                        Duration / Fetch
     94 22:56:08 CREATE TABLE Students (Student_Name varchar(255) NOT NULL, department varchar(255... Error Code: 1050. Table 'students' already exists
                                                                                                                                                                                        0.000 sec
     95 22:56:08 ALTER TABLE Students ADD column GPA decimal(3.2)
                                                                                                     Error Code: 1060. Duplicate column name 'GPA'
                                                                                                                                                                                        0.000 sec
     96 22:56:08 ALTER TABLE Students ADD CONSTRAINT CHK_GPA CHECK (GPA>=2.00)
                                                                                                     0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
                                                                                                                                                                                        3.047 sec
```

> Delete the column GPA



> Delete students table



#Nothing_Comes_Home_.._You_Have