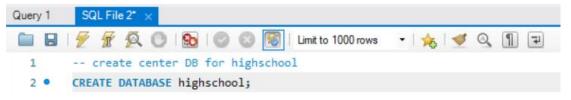
SQL 1 PROJECT Samirah Abed Alhusayni

مشروع ١

باستخدام ما تعلمته خلال هذه الدورة قم بتطبيق الأتي: لنفترض أن هناك مدرسة باسم التميز للتعليم الثانوي، ونريد إنشاء قاعدة بيانات مركزية لتضم جميع معلومات المعلمين والطلاب والمواد، مع العلم أنه يجب تخزين المعلومات الأتية لكل طالب (الرقم التسلسلي للطالب، اسم الطالب، تاريخ الميلاد، جنس الطالب، تاريخ الالتحاق، البريد الإلكتروني للطالب، المستوى الدراسي، المسار، المعدل التراكمي للطالب) ومعلومات المعلمين كالأتي (الرقم التسلسلي للمعلم، اسم المعلم، تاريخ الميلاد، جنس المعلم، البريد الالكتروني للمعلم، رقم المكتب) ومعلومات المواد كالأتي (الرقم التسلسلي للمادة، اسم المادة).

المتطلبات:

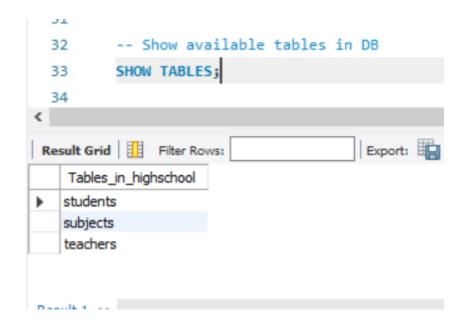
- استخدام التعليقات comments لتوضيح الأوامر.
 - إنشاء قاعدة البيانات.



• إنشاء الجداول.

```
Limit to 1000 rows
                                                        - | 🏡 | 🥩 🔍 🗻 🖘
        -- create tables (Students, Teachers, Subjects)
        USE highschool;
 6 • ⊖ CREATE TABLE Students(
        Student id INT PRIMARY KEY,
        Student name VARCHAR(225),
        Sttudent birthDate DATE,
        Student_gender VARCHAR(225),
10
        JoiningDate Date,
11
        Student email VARCHAR(225),
12
        AcademicLevel INT,
13
                                              SCHEMAS
                                                                                          43
        Student track VARCHAR(225),
                                              Q Filter objects
        Student_GPA INT
15
                                              ▼ 🗐 highschool
16
                                                 ▼ 📅 Tables
17
                                                    ▶ ■ students
                                                    ▶ ■ subjects
18 • ○ CREATE TABLE Teachers(
                                                    ▶ ■ teachers
        Teacher id INT PRIMARY KEY,
19
                                                   Tiews
20
        Teacher_name VARCHAR(225),
                                                   Stored Procedures
        Teacher birthDate DATE,
21
                                                   Functions
        Teacher_gender VARCHAR(225),
22
                                              sql_inventory
23
        Teacher_email VARCHAR(225),
        OfficeNum INT
25
26
27 • ⊖ CREATE TABLE Subjects(
        Subject_id INT PRIMARY KEY,
28
        Subject name VARCHAR(225)
29
31
```

عرض الجداول المتاحة في قاعدة البيانات.



• إدخال معلومات ٣٠ طالب كحد أدني.

```
7 9 0
                             % □
          -- Insert 30 Students Information
 35
 36
         INSERT INTO Students
         VALUES (1111, "Ali", "1997-09-04", "M", "2020-05-09", "Ali@mail.com", 4, "Scinces", 97),
 37
          (1112, "Mohammed", "1997-08-16", "M", "2020-05-09", "Moh@mail.com", 4, "Scinces", 85),
 38
          (1121, "Sarah", "1996-09-17", "F", "2020-05-09", "Sarah@mail.com", 5, "Scinces", 100),
 39
         (1211, "Amal", "1995-09-22", "F", "2020-05-09", "Amal@mail.com", 6, "Scinces", 80),
 40
 41
         (2111, "Ayman", "1997-07-02", "M", "2020-05-09", "Ay@mail.com", 4, "Humanities", 97),
 42
         (2222, "saqar", "1997-09-23", "M", "2020-05-09", "Sq@mail.com", 4, "Scinces", 97),
 43
         (2221, "Abdullah", "1996-01-05", "M", "2020-05-09", "abd@mail.com", 5, "Humanities", 89),
         (2212, "hamad", "1997-11-17", "M", "2020-05-09", "hamad@mail.com", 3, "Scinces", 97),
         (2122, "Huda", "1997-09-22", "F", "2020-05-09", "hu@mail.com", 2, "Scinces", 85),
 45
         (1222, "Samirah", "1997-09-23", "F", "2020-05-09", "samirah@mail.com", 5, "Scinces", 97),
         (3333, "Sami", "1997-09-01", "M", "2020-05-09", "Sami@mail.com", 4, "Scinces", 97),
         (3331, "Abed", "1995-06-05", "M", "2020-05-09", "abed@mail.com", 6, "Humanities", 89),
         (3313, "hmood", "1997-08-02", "M", "2020-05-09", "hamood@mail.com", 3, "Scinces", 97),
         (3133, "Hind", "1997-09-08", "F", "2020-05-09", "hu@mail.com", 2, "Scinces", 85),
         (1333, "Ola", "1997-09-23", "F", "2020-05-09", "Ola@mail.com", 5, "Humanities", 97),
         (4444, "Mazen", "1997-09-15", "M", "2020-05-09", "Maz@mail.com", 4, "Scinces", 97),
         (4441, "Faris", "1997-08-08", "M", "2020-05-09", "far@mail.com", 4, "Scinces", 85),
 53
         (4414, "Sumyah", "1996-08-09", "F", "2020-05-09", "Sum@mail.com", 5, "Scinces", 100),
         (4144, "Shahad", "1995-12-27", "F", "2020-05-09", "sh@mail.com", 6, "Scinces", 80),
 55
         (1444, "Ibrahim", "1997-08-02", "M", "2020-05-09", "Ibr@mail.com", 4, "Humanities", 97),
         (5555, "Abdurahman", "1997-09-16", "M", "2020-05-09", "Abd@mail.com", 4, "Scinces", 97),
         (5551, "Turky", "1996-01-05", "M", "2020-05-09", "Tur@mail.com", 5, "Humanities", 89),
 58
         (5515, "Anas", "1997-11-17", "M", "2020-05-09", "Anas@mail.com", 3, "Scinces", 97),
         (5155, "Salwa", "1997-09-29", "F", "2020-05-09", "hu@mail.com", 1, "Scinces", 85),
         (1555, "btool", "1997-09-23", "F", "2020-05-09", "bt@mail.com", 5, "Scinces", 97),
         (6666, "Hassan","1997-09-29", "M", "2020-05-09", "Hassan@mail.com",4,"Scinces",97),
         (6661, "Hussain","1995-06-05", "M", "2020-05-09", "Hus@mail.com",6,"Humanities",89),
         (6662, "Khalid", "1997-8-18", "M", "2020-05-09", "kh@mail.com", 3, "Scinces", 97),
         (6663, "Norah", "1997-09-29", "F", "2020-05-09", "Nor@mail.com", 2, "Scinces", 85),
 65
         (6664, "Taif", "1997-09-23", "F", "2020-05-09", "Taif@mail.com",5, "Humanities",97);
```

• إدخال معلومات ١٠ معلمين كحد أدني.

-- Insert 10 Teachers Information

```
INSERT INTO Teachers

VALUES (2220, "Hatem","1997-09-29", "M", "hat@mail.com",654),
(3330, "Ghaith","1997-08-04", "M", "ghaith@mail.com",678),
(4440, "Ghassan","1997-09-07", "M", "ghass@mail.com",876),
(5550, "Erjwan","1997-09-03", "F", "er@mail.com",789),
(2121, "Hussam","1997-09-09", "M", "Hussam@mail.com",222),
(4534, "Ezz","1997-08-04", "M", "Ezz@mail.com",345),
(7865, "Hattan","1997-09-22", "M", "Hattan@mail.com",987),
(9865, "Rhaf","1997-09-29", "F", "Rahaf@mail.com",654),
(5487, "Samir","1997-09-23", "M", "samir@mail.com",980),
(6660, "Riadh","1997-09-15", "M", "riadh@mail.com",432);
```

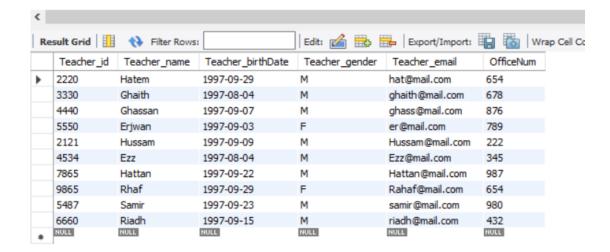
• إدخال معلومات ٦ مواد كحد أدني.

```
82
        -- Insert 6 Subjects Information
83
        INSERT INTO Subjects
84 •
        VALUES (1357, "English"),
85
        (1579, "Math"),
86
        (3579, "Physics"),
87
        (2468, "Chemistry"),
88
       (4681, "Arabic"),
89
       (2469, "History");
90
```

• عرض محتويات جميع الجداول.

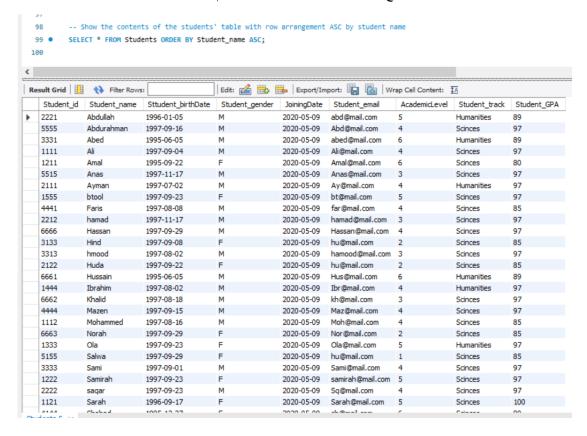
```
91
  92
           -- Show all tables Cintent
  93
  94 •
          SELECT * FROM Students:
  95
<
                                                 | Edit: 🔏 📆 🖶 | Export/Import: 📳 🐻 | Wrap Cell Content: 🏗
Student_gender JoiningDate Student_email
    Student_id Student_name Sttudent_birthDate
                                                                                                  AcademicLevel Student_track Student_GPA
   1111
                               1997-09-04
                                                                   2020-05-09
                                                                               Ali@mail.com
                                                                                                                Scinces
                                                                                                                               97
   1112
               Mohammed
                              1997-08-16
                                                                  2020-05-09
                                                                               Moh@mail.com
                                                                                                                Scinces
                                                                                                                               85
    1121
                Sarah
                               1996-09-17
                                                                   2020-05-09
                                                                               Sarah@mail.com
                                                                                                                Scinces
                                                                                                                               100
                               1995-09-22
   1211
                Amal
                                                                  2020-05-09
                                                                               Amal@mail.com
                                                                                                                Scinces
                                                                                                                               80
    2111
                               1997-07-02
                                                                   2020-05-09
                Ayman
                                                                               Ay@mail.com
                                                                                                                 Humanities
   2222
                               1997-09-23
                                                                  2020-05-09
                                                                               Sq@mail.com
                                                                                                                Scinces
                                                                                                                               97
   2221
                Abdullah
                               1996-01-05
                                                                   2020-05-09
                                                                               abd@mail.com
                                                                                                                Humanities
                                                                                                                               89
   2212
                hamad
                               1997-11-17
                                                  М
                                                                  2020-05-09
                                                                               hamad@mail.com
                                                                                                                Scinces
                                                                                                                               97
   2122
                Huda
                               1997-09-22
                                                                  2020-05-09
                                                                               hu@mail.com
                                                                                                                Scinces
                                                                                                                               85
    1222
               Samirah
                               1997-09-23
                                                  F
                                                                  2020-05-09
                                                                               samirah@mail.com
                                                                                                                Scinces
                                                                                                                               97
                               1997-09-01
   3333
                Sami
                                                                  2020-05-09
                                                                               Sami@mail.com
                                                                                                                Scinces
                                                                                                                               97
                               1995-06-05
    3331
                Abed
                                                  М
                                                                  2020-05-09
                                                                               abed@mail.com
                                                                                                                Humanities
                                                                                                                               89
   3313
                               1997-08-02
                                                                  2020-05-09
                                                                               hamood@mail.com
                hmood
                                                                                                                Scinces
                                                                                                                               97
    3133
                               1997-09-08
                                                                  2020-05-09
                                                                               hu@mail.com
                                                                                                                Scinces
                                                                                                                               85
                               1997-09-23
    1333
                                                                   2020-05-09
                                                                               Ola@mail.com
                                                                                                                Humanities
    4444
                Mazen
                               1997-09-15
                                                                  2020-05-09
                                                                               Maz@mail.com
                                                                                                                Scinces
                                                                                                                               97
    4441
                               1997-08-08
                                                                   2020-05-09
                                                                               far@mail.com
                                                                                                                Scinces
                                                                                                                               85
    4414
               Sumyah
                              1996-08-09
                                                  F
                                                                  2020-05-09
                                                                               Sum@mail.com
                                                                                                                Scinces
                                                                                                                               100
    4144
                Shahad
                               1995-12-27
                                                                  2020-05-09
                                                                               sh@mail.com
                                                                                                                Scinces
                                                                                                                               80
                                                  М
   1444
               Thrahim
                              1997-08-02
                                                                  2020-05-09
                                                                               Thr@mail.com
                                                                                                                Humanities
                                                                                                                               97
    5555
                Abdurahman
                               1997-09-16
                                                                   2020-05-09
                                                                               Abd@mail.com
                                                                                                                Scinces
                                                                                                                               97
                                                  М
   5551
               Turky
                              1996-01-05
                                                                  2020-05-09
                                                                               Tur@mail.com
                                                                                                 5
                                                                                                                Humanities
                                                                                                                               89
5515
Students 2 ×
                Anas
                               1997-11-17
                                                                   2020-05-09
                                                                               Anas@mail.com
                                                                                                                 Scinces
                                                                                                                               97
```

```
91
92 -- Show all tables Cintent
93
94 • SELECT * FROM Students;
95 • SELECT * FROM Teachers;
96 • SELECT * FROM Subjects;
97
```

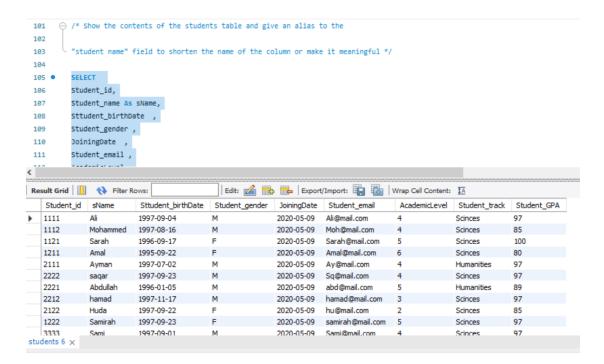


```
-- Show all tables Cintent
 92
 93
         SELECT * FROM Students;
 95 •
         SELECT * FROM Teachers;
         SELECT * FROM Subjects;
 96 •
 97
Subject id
            Subject name
   1357
             English
   1579
             Math
  3579
             Physics
             Chemistry
  2468
   4681
             Arabic
  2469
             History
  NULL
             NULL
```

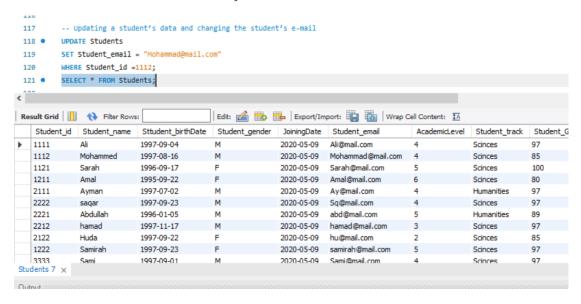
عرض محتويات جدول الطلاب مع ترتيب الصفوف تصاعديًا حسب اسم الطالب.



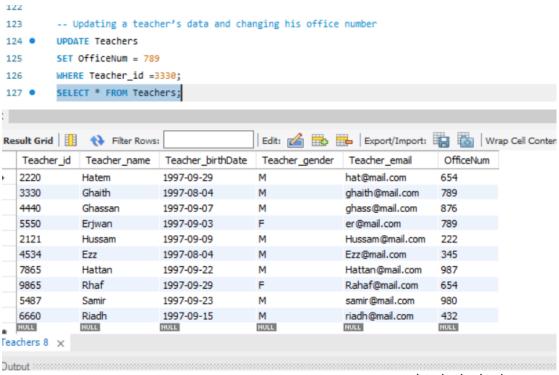
• عرض محتويات جدول الطلاب مع إعطاء اسم مستعار لحقل "اسم الطالب" لاختصار اسم العمود أو جعله ذات معنى.



- التعديل على البيانات.
- التعديل على بيانات احد الطلاب وتغيير البريد الالكتروني للطالب.

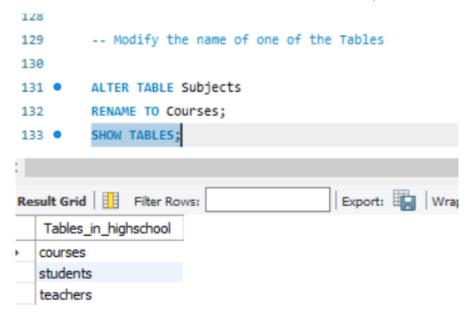


التعديل على بيانات احد المعلمين وتغيير رقم المكتب الخاص به.



• التعديل على الجداول.

o تعديل اسم احد الجداول.



• قم بأخذ لقطة شاشة لكل مما سبق مع النتائج.

ملاحظات:

- الرقم التسلسلي هو.id
 - الجنس F) أو. (M

- المستوى الدراسي يتكون من ستة مستويات (1, 2, 3) ، 4. (6, 5, 6).
 - المسار (علمي أو انساني).
 - المعدل التراكمي من 100.