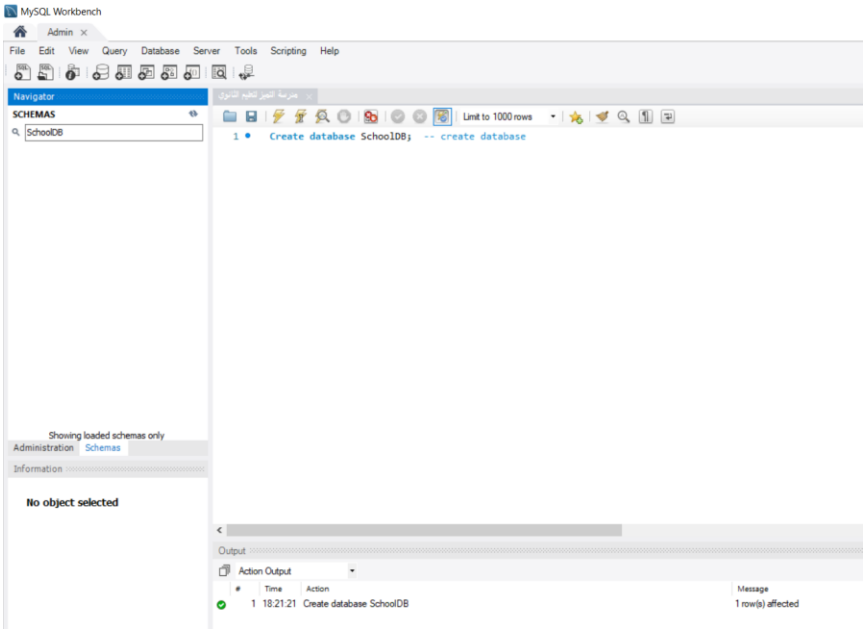
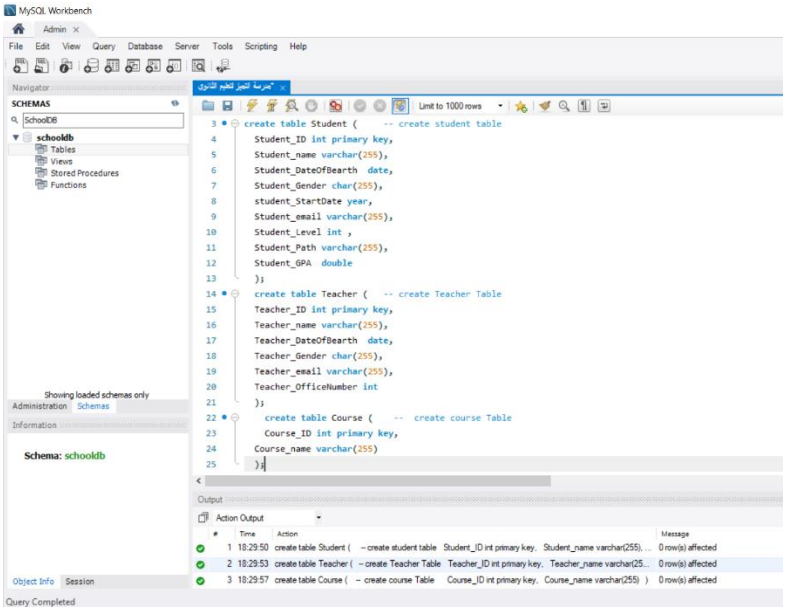
MySQL Project 1

خطوات اعداد المشروع:

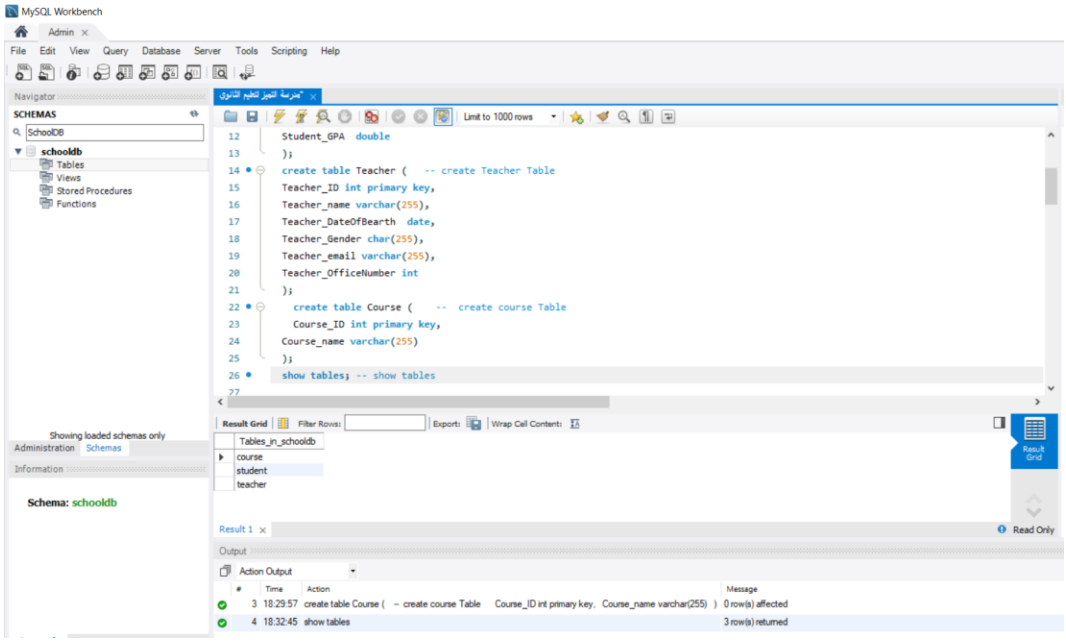
1-انشاء قاعدة البيانات:



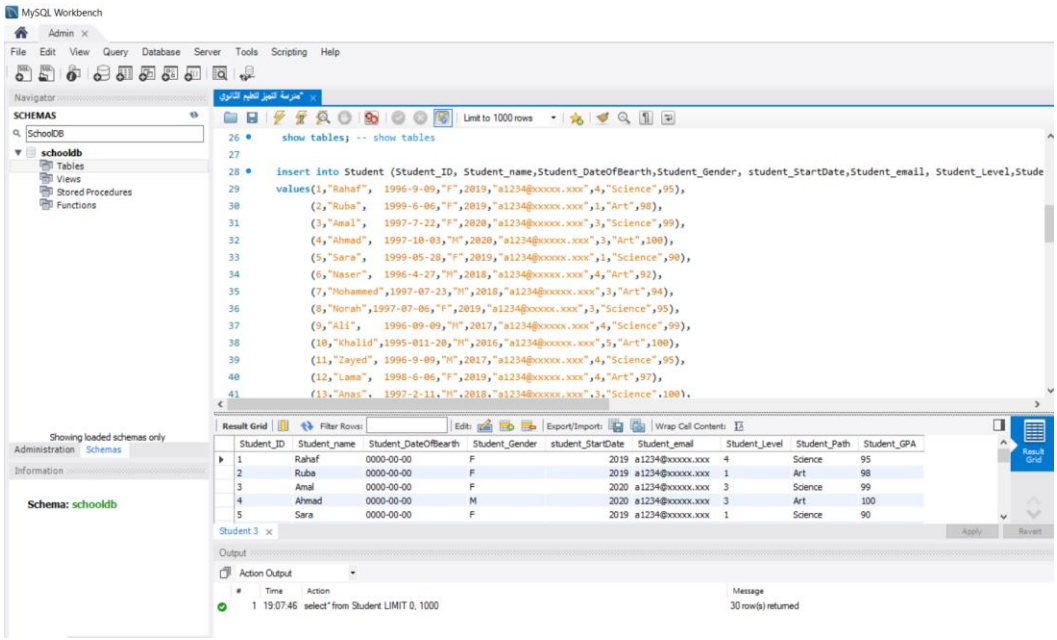
2- انشاء الجداول:

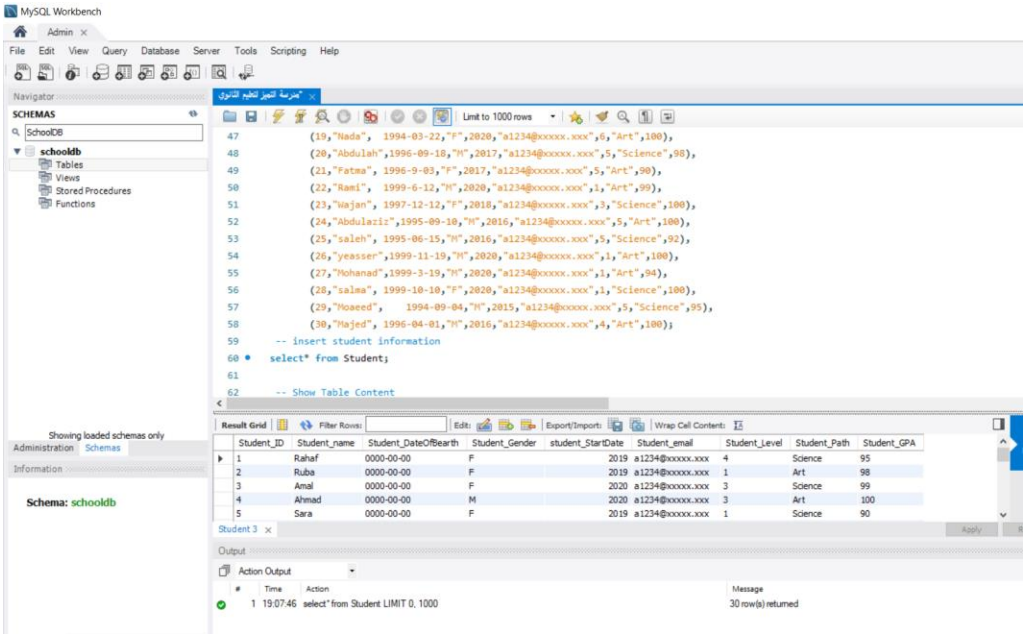


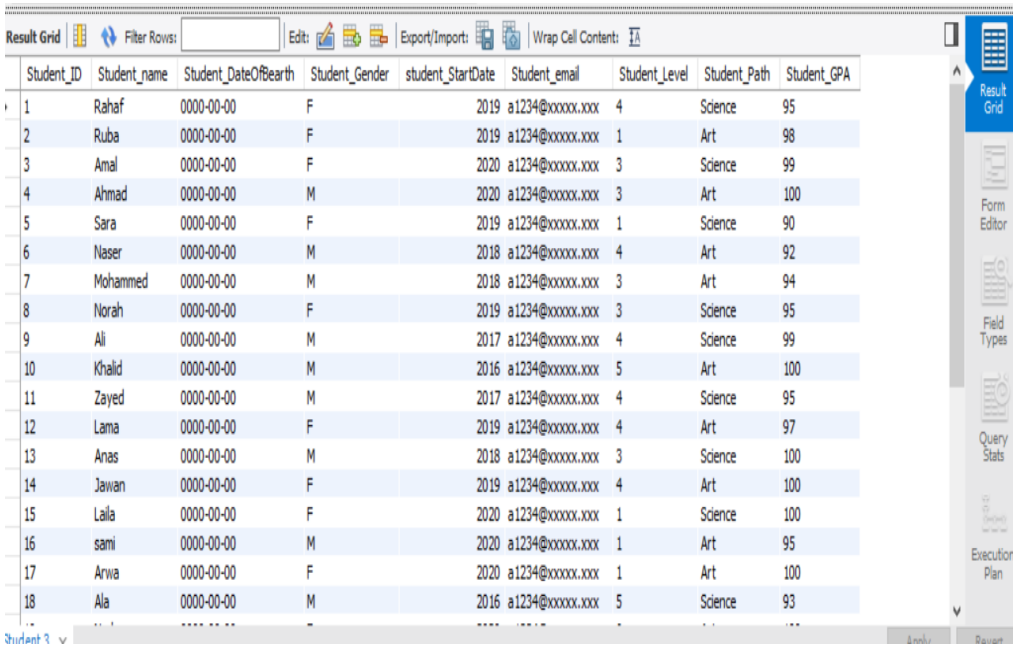
3-عرض الجداول التي تم انشائها:

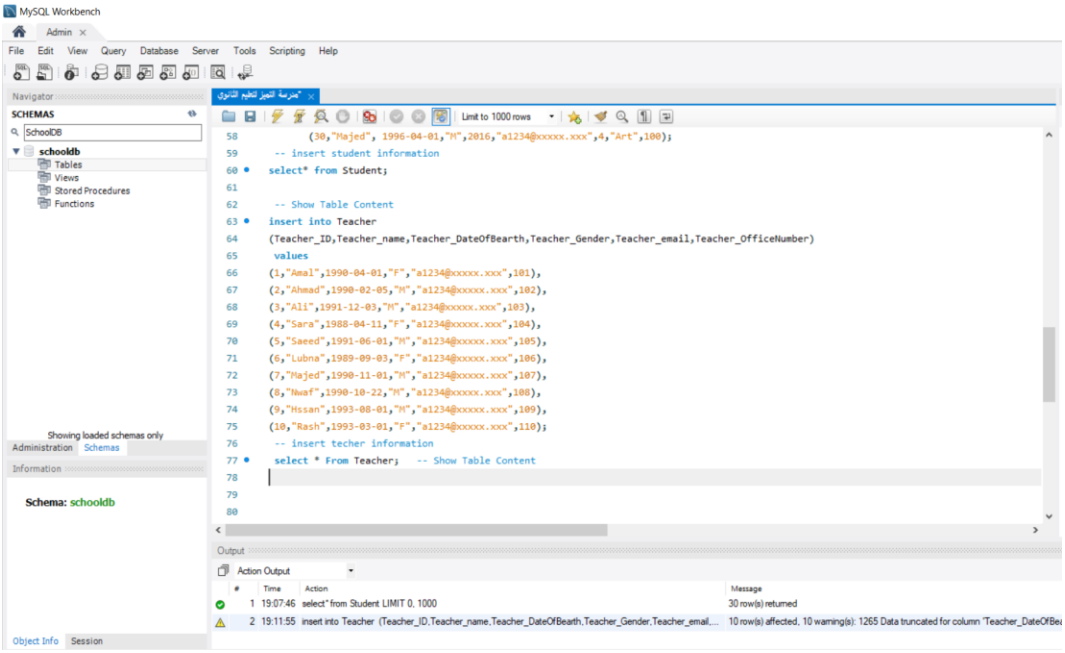


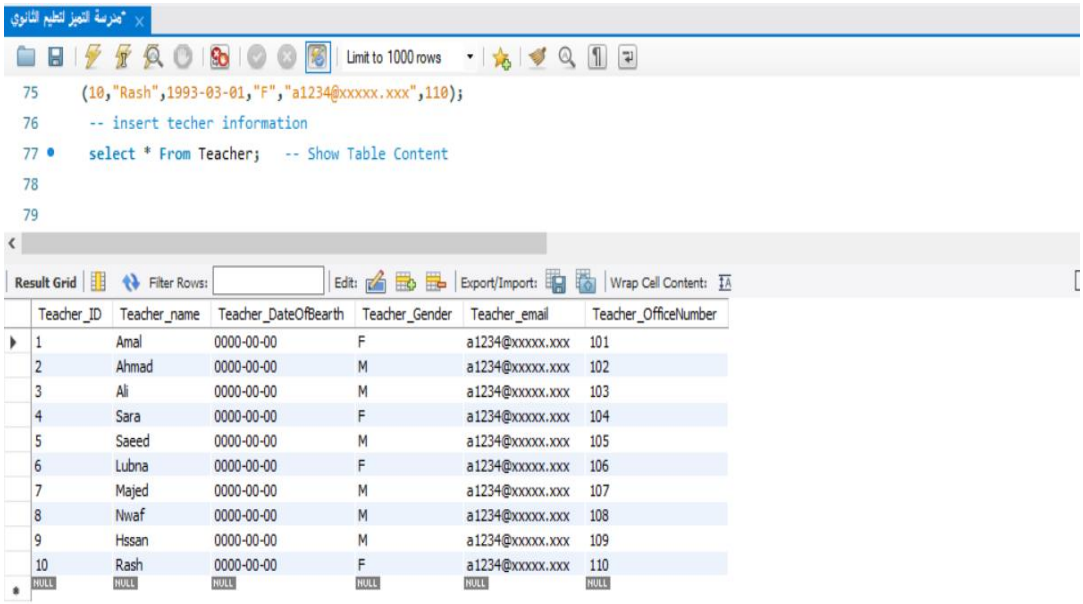
4- ادخال البيانات الى الجداول التي تم انشائها وعرض بياناتها :

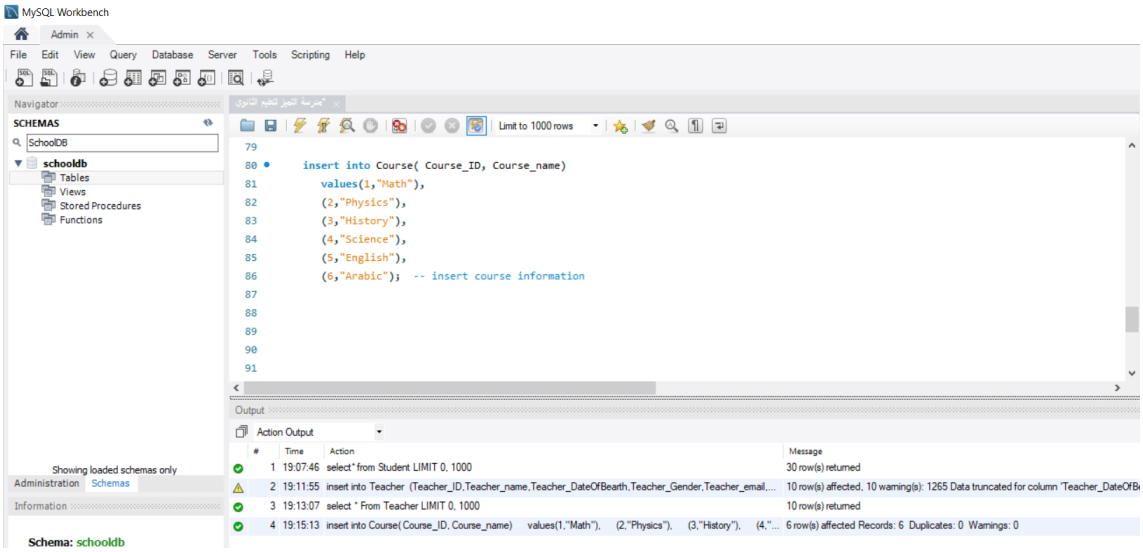


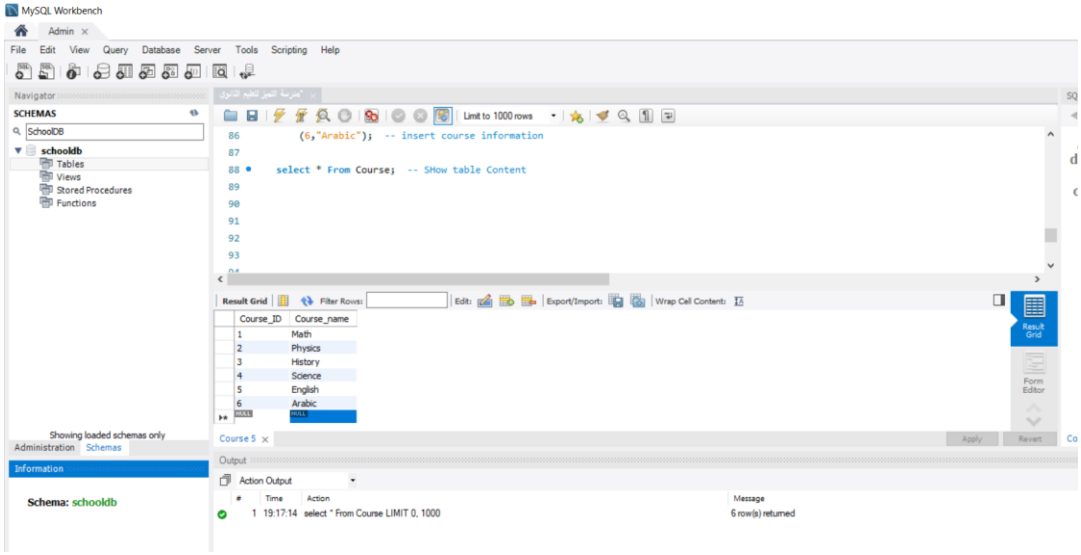

MySQL Workbench
Admin
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
SchoolDB
schooldb
Tables
Views
Stored Procedures
Functions
Limit to 1000 rows
(19,"Nada", 1994-03-22,"F",2020,"a1234@xxxxx.xxx",6,"Art",100),
(20,"Abdulah",1996-09-18,"M",2017,"a1234@xxxxx.xxx",5,"Science",98),
(21,"Fatma", 1996-9-03,"F",2017,"a1234@xxxxx.xxx",5,"Art",90),
(22,"Rami", 1999-6-12,"M",2020,"a1234@xxxxx.xxx",1,"Art",99),
(23,"Wajan", 1997-12-12,"F",2018,"a1234@xxxxx.xxx",3,"Science",100),
(24,"Abdulaziz",1995-09-10,"M",2016,"a1234@xxxxx.xxx",5,"Art",100),
(25,"saleh", 1995-06-15,"M",2016,"a1234@xxxxx.xxx",5,"Science",92),
(26,"yeasser",1999-11-19,"M",2020,"a1234@xxxxx.xxx",1,"Art",100),
(27,"Mohanad",1999-3-19,"M",2020,"a1234@xxxxx.xxx",1,"Art",94),
(28,"salma", 1999-10-10,"F",2020,"a1234@xxxxx.xxx",1,"Science",100),
(29,"Moaeed", 1994-09-04,"M",2015,"a1234@xxxxx.xxx",5,"Science",95),
(30,"Majed", 1996-04-01,"M",2016,"a1234@xxxxx.xxx",4,"Art",100);
-- insert student information
select* from Student;
-- Show Table Content
Showing loaded schemas only
Administration Schemas
Information
Schema: schooldb
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
Student_ID Student_name Student_DateOfBearth Student_Gender student_StartDate Student_email Student_Level Student_Path Student_GPA
1 Rahaf 0000-00-00 F 2019 a1234@xxxxx.xxx 4 Science 95
2 Ruba 0000-00-00 F 2019 a1234@xxxxx.xxx 1 Art 98
3 Amal 0000-00-00 F 2020 a1234@xxxxx.xxx 3 Science 99
4 Ahmad 0000-00-00 M 2020 a1234@xxxxx.xxx 3 Art 100
5 Sara 0000-00-00 F 2019 a1234@xxxxx.xxx 1 Science 90
Student 3
Output
Action Output
Time Action Message
1 19:07:46 select* from Student LIMIT 0, 1000 30 row(s) returned


Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
Student_ID Student_name Student_DateOfBearth Student_Gender student_StartDate Student_email Student_Level Student_Path Student_GPA
1 Rahaf 0000-00-00 F 2019 a1234@xxxxx.xxx 4 Science 95
2 Ruba 0000-00-00 F 2019 a1234@xxxxx.xxx 1 Art 98
3 Amal 0000-00-00 F 2020 a1234@xxxxx.xxx 3 Science 99
4 Ahmad 0000-00-00 M 2020 a1234@xxxxx.xxx 3 Art 100
5 Sara 0000-00-00 F 2019 a1234@xxxxx.xxx 1 Science 90
6 Naser 0000-00-00 M 2018 a1234@xxxxx.xxx 4 Art 92
7 Mohammed 0000-00-00 M 2018 a1234@xxxxx.xxx 3 Art 94
8 Norah 0000-00-00 F 2019 a1234@xxxxx.xxx 3 Science 95
9 Ali 0000-00-00 M 2017 a1234@xxxxx.xxx 4 Science 99
10 Khalid 0000-00-00 M 2016 a1234@xxxxx.xxx 5 Art 100
11 Zayed 0000-00-00 M 2017 a1234@xxxxx.xxx 4 Science 95
12 Lama 0000-00-00 F 2019 a1234@xxxxx.xxx 4 Art 97
13 Anas 0000-00-00 M 2018 a1234@xxxxx.xxx 3 Science 100
14 Jawan 0000-00-00 F 2019 a1234@xxxxx.xxx 4 Art 100
15 Laila 0000-00-00 F 2020 a1234@xxxxx.xxx 1 Science 100
16 sami 0000-00-00 M 2020 a1234@xxxxx.xxx 1 Art 95
17 Arwa 0000-00-00 F 2020 a1234@xxxxx.xxx 1 Art 100
18 Ala 0000-00-00 M 2016 a1234@xxxxx.xxx 5 Science 93
Result Grid
Form Editor
Field Types
Query Stats
Execution Plan

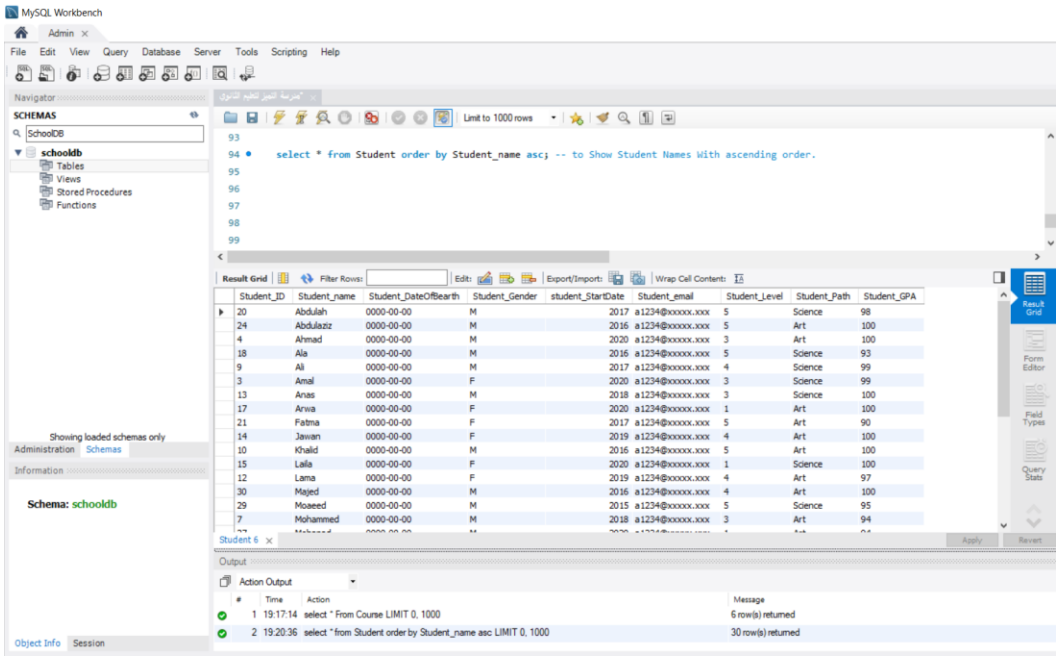

MySQL Workbench
Admin
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
SchoolDB
schooldb
Tables
Views
Stored Procedures
Functions
Showing loaded schemas only
Administration Schemas
Information
Schema: schooldb
Object Info Session
مدرسة التميز لتعليم الثانوي*
Limit to 1000 rows
58 (30,"Majed", 1996-04-01,"M",2016,"a1234@xxxxx.xxx",4,"Art",100);
59 -- insert student information
60 select* from Student;
61
62 -- Show Table Content
63 insert into Teacher
64 (Teacher_ID,Teacher_name,Teacher_DateOfBearth,Teacher_Gender,Teacher_email,Teacher_OfficeNumber)
65 values
66 (1,"Amal",1990-04-01,"F","a1234@xxxxx.xxx",101),
67 (2,"Ahmad",1990-02-05,"M","a1234@xxxxx.xxx",102),
68 (3,"Ali",1991-12-03,"M","a1234@xxxxx.xxx",103),
69 (4,"Sara",1988-04-11,"F","a1234@xxxxx.xxx",104),
70 (5,"Saeed",1991-06-01,"M","a1234@xxxxx.xxx",105),
71 (6,"Lubna",1989-09-03,"F","a1234@xxxxx.xxx",106),
72 (7,"Majed",1990-11-01,"M","a1234@xxxxx.xxx",107),
73 (8,"Nwaf",1990-10-22,"M","a1234@xxxxx.xxx",108),
74 (9,"Hssan",1993-08-01,"M","a1234@xxxxx.xxx",109),
75 (10,"Rash",1993-03-01,"F","a1234@xxxxx.xxx",110);
76 -- insert techer information
77 select * From Teacher; -- Show Table Content
78
79
80
Output
Action Output
Time Action Message
1 19:07:46 select* from Student LIMIT 0, 1000 30 row(s) returned
2 19:11:55 insert into Teacher (Teacher_ID,Teacher_name,Teacher_DateOfBearth,Teacher_Gender,Teacher_email,... 10 row(s) affected, 10 warning(s): 1265 Data truncated for column 'Teacher_DateOfBe


مدرسة التميز لتعليم الثانوي*
Limit to 1000 rows
75 (10,"Rash",1993-03-01,"F","a1234@xxxxx.xxx",110);
76 -- insert techer information
77 select * From Teacher; -- Show Table Content
78
79
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
Teacher_ID Teacher_name Teacher_DateOfBearth Teacher_Gender Teacher_email Teacher_OfficeNumber
1 Amal 0000-00-00 F a1234@xxxxx.xxx 101
2 Ahmad 0000-00-00 M a1234@xxxxx.xxx 102
3 Ali 0000-00-00 M a1234@xxxxx.xxx 103
4 Sara 0000-00-00 F a1234@xxxxx.xxx 104
5 Saeed 0000-00-00 M a1234@xxxxx.xxx 105
6 Lubna 0000-00-00 F a1234@xxxxx.xxx 106
7 Majed 0000-00-00 M a1234@xxxxx.xxx 107
8 Nwaf 0000-00-00 M a1234@xxxxx.xxx 108
9 Hssan 0000-00-00 M a1234@xxxxx.xxx 109
10 Rash 0000-00-00 F a1234@xxxxx.xxx 110
NULL NULL NULL NULL NULL NULL

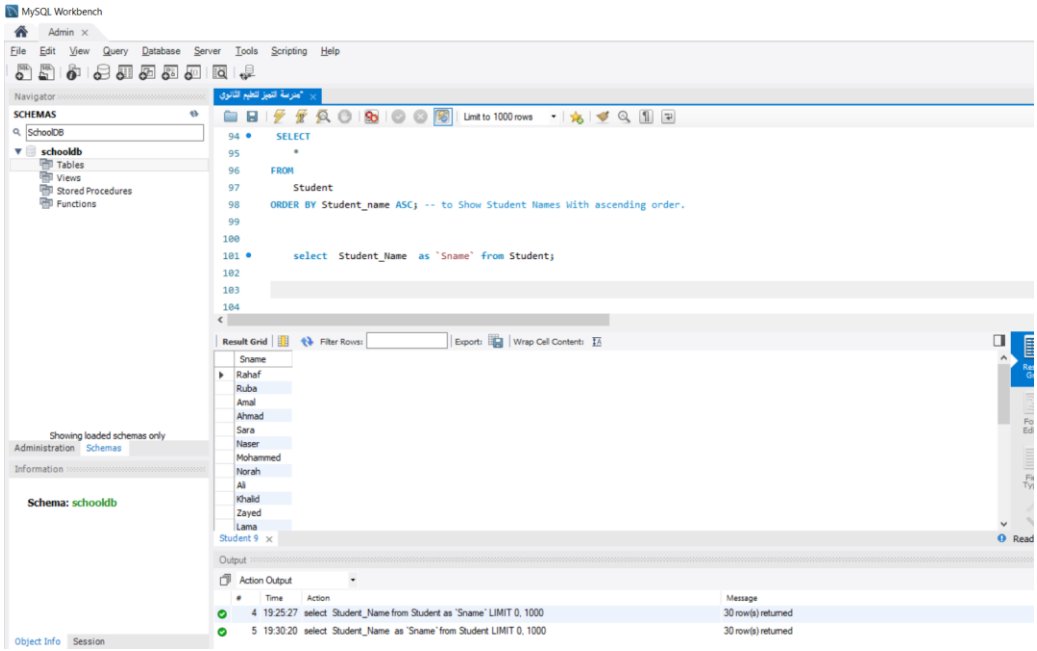

MySQL Workbench
Admin
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
SchoolDB
schooldb
Tables
Views
Stored Procedures
Functions
Limit to 1000 rows
79
80 insert into Course(Course_ID, Course_name)
81 values(1,"Math"),
82 (2,"Physics"),
83 (3,"History"),
84 (4,"Science"),
85 (5,"English"),
86 (6,"Arabic"); -- insert course information
87
88
89
90
91
Output
Action Output
Time Action Message
1 19:07:46 select* from Student LIMIT 0, 1000 30 row(s) returned
2 19:11:55 insert into Teacher (Teacher_ID,Teacher_name,Teacher_DateOfBearth,Teacher_Gender,Teacher_email,... 10 row(s) affected, 10 warning(s): 1265 Data truncated for column 'Teacher_DateOfB
3 19:13:07 select * From Teacher LIMIT 0, 1000 10 row(s) returned
4 19:15:13 insert into Course(Course_ID, Course_name) values(1,"Math"), (2,"Physics"), (3,"History"), (4,"... 6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0
Showing loaded schemas only
Administration Schemas
Information
Schema: schooldb


MySQL Workbench
Admin
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
SchoolDB
schooldb
Tables
Views
Stored Procedures
Functions
Limit to 1000 rows
86 (6,"Arabic"); -- insert course information
87
88 select * From Course; -- SHow table Content
89
90
91
92
93
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
Course_ID Course_name
1 Math
2 Physics
3 History
4 Science
5 English
6 Arabic
Course 5
Apply
Revert
Output
Action Output
Time Action Message
1 19:17:14 select * From Course LIMIT 0, 1000 6 row(s) returned
Showing loaded schemas only
Administration Schemas
Information
Schema: schooldb

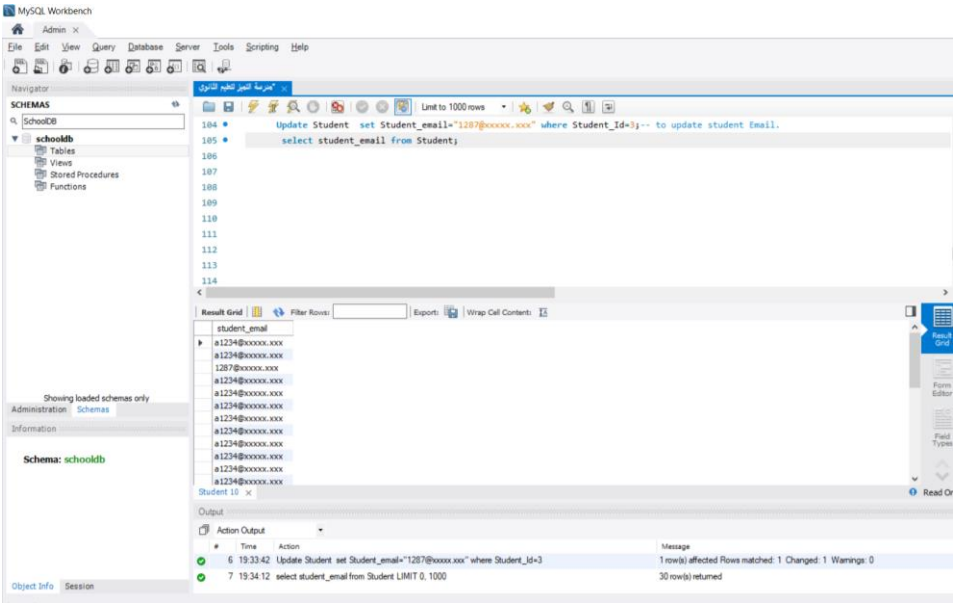
4- عرض محتويات جدول الطلاب مع ترتيب الصفوف تصاعدياً حسب اسم الطالب:



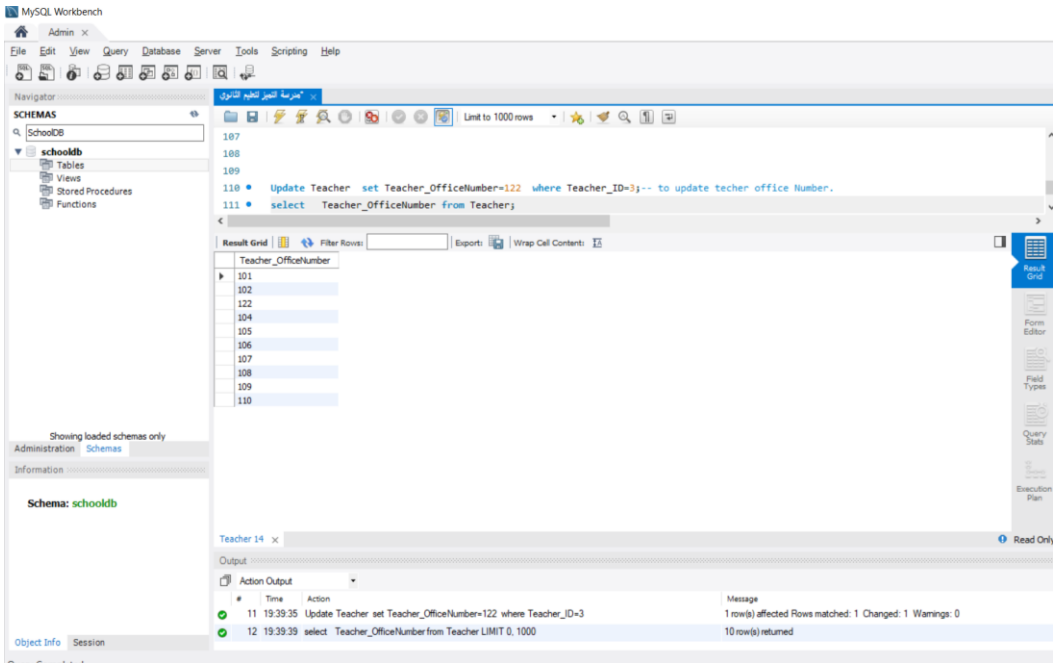
5- عرض محتويات جدول الطلاب مع اعطاء اسم مستعار لحقل "اسم الطالب":



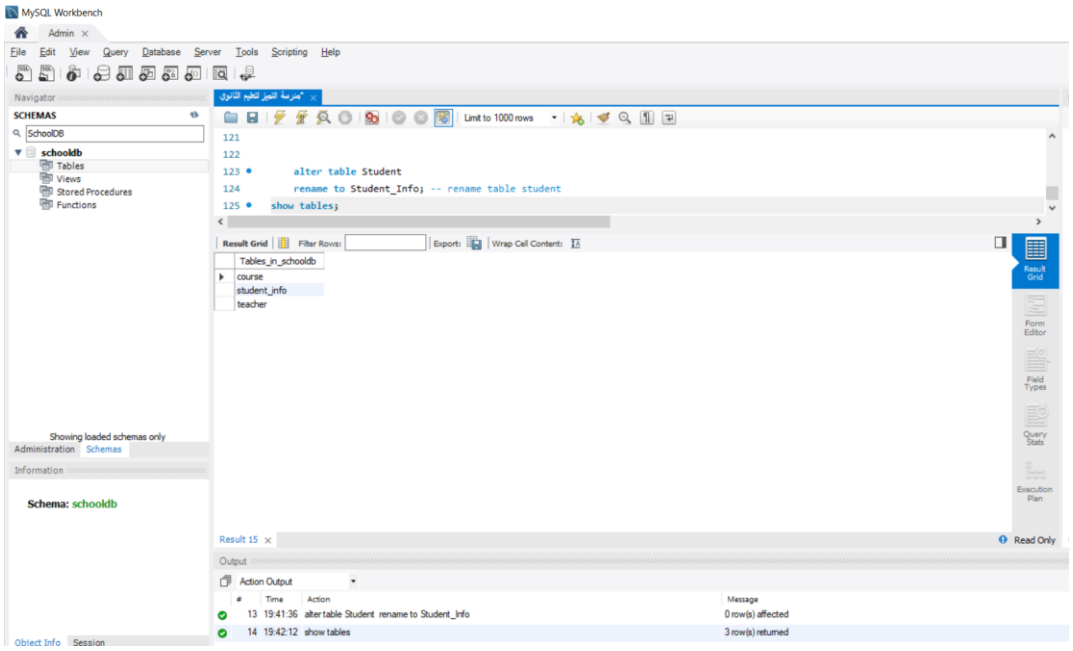
6- تغير البريد الإلكتروني لأحد الطلاب:



7- تغيير رقم مكتب أحد المعلمين:



8- تغيير اسم جدول المواد الدراسية:



``

```
Create database SchoolDB;  -- create database

create table Student (     -- create student table
,Student_ID int primary key
,(255)Student_name varchar
,Student_DateOfBearth  date
,(255)Student_Gender char
,student_StartDate year
,(255)Student_email varchar
, Student_Level int
,(255)Student_Path varchar
Student_GPA  double
;(
create table Teacher (   -- create Teacher Table
,Teacher_ID int primary key
,(255)Teacher_name varchar
,Teacher_DateOfBearth  date
,(255)Teacher_Gender char
,(255)Teacher_email varchar
Teacher_OfficeNumber int
;(
```

```
create table Course (    --  create course Table
,Course_ID int primary key
(255)Course_name varchar
;(
show tables; -- show tables

insert into Student (Student_ID, Student_name,Student_DateOfBearth,Student_Gender,
student_StartDate,Student_email, Student_Level,Student_Path,Student_GPA)
,F",2019,"a1234@xxxxx.xxx",4,"Science",95)",09-9-1996 values(1,"Rahaf",
,(F",2019,"a1234@xxxxx.xxx",1,"Art",98",06-6-1999      Ruba",",2)
,(F",2020,"a1234@xxxxx.xxx",3,"Science",99",22-7-1997      Amal",",3)
,(M",2020,"a1234@xxxxx.xxx",3,"Art",100",03-10-1997  Ahmad",",4)
,(F",2019,"a1234@xxxxx.xxx",1,"Science",90",28-05-1999      Sara",",5)
,(M",2018,"a1234@xxxxx.xxx",4,"Art",92",27-4-1996     Naser",",6)
,(Mohammed",1997-07-23,"M",2018,"a1234@xxxxx.xxx",3,"Art",94",7)
,(Norah",1997-07-06,"F",2019,"a1234@xxxxx.xxx",3,"Science",95",8)
,(M",2017,"a1234@xxxxx.xxx",4,"Science",99",09-09-1996          Ali",",9)
,(Khalid",1995-011-20,"M",2016,"a1234@xxxxx.xxx",5,"Art",100",10)
,(M",2017,"a1234@xxxxx.xxx",4,"Science",95",09-9-1996  Zayed",",11)
,(F",2019,"a1234@xxxxx.xxx",4,"Art",97",06-6-1998    Lama",",12)
,(M",2018,"a1234@xxxxx.xxx",3,"Science",100",11-2-1997    Anas",",13)
,(F",2019,"a1234@xxxxx.xxx",4,"Art",100",19-11-1998 Jawan",",14)
,(F",2020,"a1234@xxxxx.xxx",1,"Science",100",12-02-1999    Laila",",15)
,(M",2020,"a1234@xxxxx.xxx",1,"Art",95",16-02-1999    sami",",16)
,(F",2020,"a1234@xxxxx.xxx",1,"Art",100",02-03-1999    Arwa",",17)
,(M",2016,"a1234@xxxxx.xxx",5,"Science",93",30-04-1995       Ala",",18)
,(F",2020,"a1234@xxxxx.xxx",6,"Art",100",22-03-1994    Nada",",19)
,(Abdulah",1996-09-18,"M",2017,"a1234@xxxxx.xxx",5,"Science",98",20)
,(F",2017,"a1234@xxxxx.xxx",5,"Art",90",03-9-1996 Fatma",",21)
,(M",2020,"a1234@xxxxx.xxx",1,"Art",99",12-6-1999    Rami",",22)
,(F",2018,"a1234@xxxxx.xxx",3,"Science",100",12-12-1997 Wajan",",23)
,(Abdulaziz",1995-09-10,"M",2016,"a1234@xxxxx.xxx",5,"Art",100",24)
,(M",2016,"a1234@xxxxx.xxx",5,"Science",92",15-06-1995    saleh",",25)
,(yeasser",1999-11-19,"M",2020,"a1234@xxxxx.xxx",1,"Art",100",26)
,(Mohanad",1999-3-19,"M",2020,"a1234@xxxxx.xxx",1,"Art",94",27)
,(F",2020,"a1234@xxxxx.xxx",1,"Science",100",10-10-1999    salma",",28)
,(M",2015,"a1234@xxxxx.xxx",5,"Science",95",04-09-1994          Moaeed",",29)
;(M",2016,"a1234@xxxxx.xxx",4,"Art",100",01-04-1996 Majed",",30)
insert student information --
;select* from Student

Show Table Content --
insert into Teacher
```

```
Teacher_ID,Teacher_name,Teacher_DateOfBearth,Teacher_Gender,Teacher_email,Teacher_Offic)
(eNumber
values
,(Amal",1990-04-01,"F","a1234@xxxxx.xxx",101",1)
,(Ahmad",1990-02-05,"M","a1234@xxxxx.xxx",102",2)
,(Ali",1991-12-03,"M","a1234@xxxxx.xxx",103",3)
,(Sara",1988-04-11,"F","a1234@xxxxx.xxx",104",4)
,(Saeed",1991-06-01,"M","a1234@xxxxx.xxx",105",5)
,(Lubna",1989-09-03,"F","a1234@xxxxx.xxx",106",6)
,(Majed",1990-11-01,"M","a1234@xxxxx.xxx",107",7)
,(Nwaf",1990-10-22,"M","a1234@xxxxx.xxx",108",8)
,(Hssan",1993-08-01,"M","a1234@xxxxx.xxx",109",9)
;(Rash",1993-03-01,"F","a1234@xxxxx.xxx",110",10)
insert techer information --
select * From Teacher;   -- Show Table Content


insert into Course( Course_ID, Course_name)
,values(1,"Math")
,("Physics",2)
,("History",3)
,("Science",4)
,("English",5)
(6,"Arabic");  -- insert course information

select * From Course;  -- SHow table Content
SELECT * FROM  Student  ORDER BY Student_name ASC; -- to Show Student Names With
.ascending order
;select  Student_Name  as `Sname` from Student
Update Student  set Student_email="1287@xxxxx.xxx" where Student_Id=3;-- to update student
.Email
;select student_email from Student
Update Teacher  set Teacher_OfficeNumber=122  where Teacher_ID=3;-- to update techer office
.Number
;select   Teacher_OfficeNumber from Teacher
alter table Student
rename to Student_Info; -- rename table student
;show tables

``
```