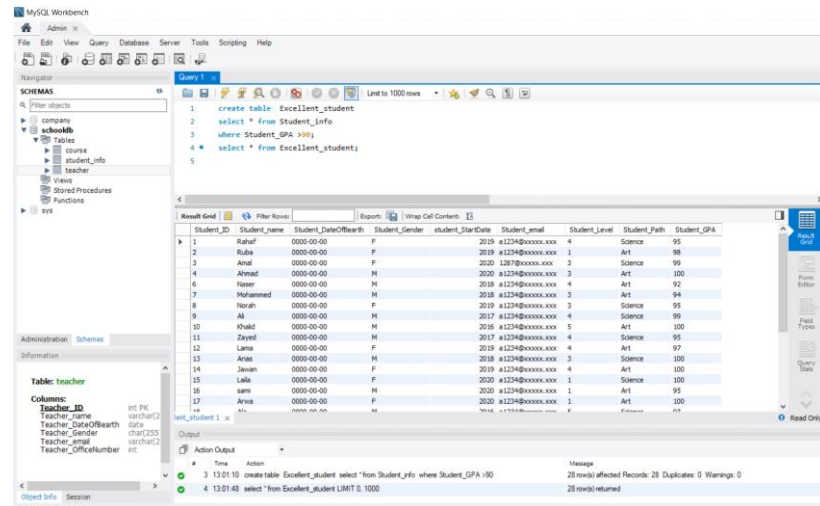


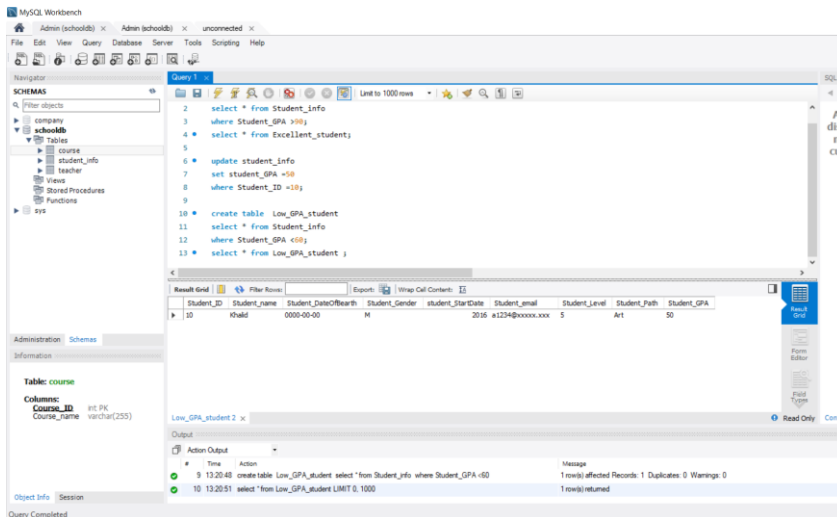
# My SQL PROJECT 2

## خطوات اعدادا المشروع:

أولاً: دول للطلاب المتفوقين من جدول الطلاب، بحيث يحتوي هذا الجدول على بيانات الطلاب الذي يكون معدلهم التراكمي أعلى من ٩٠.



ثانياً: جدول للطلاب الغير مجتازين من جدول الطلاب، بحيث يحتوي هذا الجدول على بيانات الطلاب الذي يكون معدلهم التراكمي أقل من ٦٠.



ثالثاً: أسماء الطلاب التي تبدأ بحرف A.

The screenshot shows the MySQL Workbench interface. The 'Query' window contains the following SQL code:

```

4 select * from Excellent_student;
5
6 update student_info
7 set student_gpa = 99
8 where Student_ID = 10;
9
10 create table Low_GPA_student
11 select * from student_info
12 where Student_GPA < 80;
13 select * from Low_GPA_student ;
14 select * from student_info
15 where Student_name like 'AS';

```

The 'Result Grid' shows the results of the queries. The first query returns one row for Student\_ID 10. The second query returns one row for Student\_ID 10. The third query returns one row for Student\_ID 10. The fourth query returns one row for Student\_ID 10. The fifth query returns one row for Student\_ID 10.

Student_ID	Student_name	Student_DateOfBirth	Student_Gender	student_startDate	Student_email	Student_Level	Student_Path	Student_GPA
10	Amal	0000-00-00	F	2020	am1234@xxxxx.xxx	3	Science	99

The 'Output' window shows the execution of the queries:

```

# Time Action Message
10 13:20:51 select * from Low_GPA_student LIMIT 0, 1000 1 row(s) returned
11 13:23:48 select * from student_info where Student_name like 'AS' LIMIT 0, 1000 1 row(s) returned

```

رابعاً: الطلاب التي تحتوي أسمائهم على أربع خانات.

The screenshot shows the MySQL Workbench interface. The 'Query' window contains the following SQL code:

```

9
10 create table Low_GPA_student
11 select * from student_info
12 where Student_GPA < 80;
13 select * from Low_GPA_student ;
14 select * from student_info
15 where Student_name like 'AS';
16
17
18
19 select * from student_info
20 where Student_name like '-----';

```

The 'Result Grid' shows the results of the queries. The first query returns one row for Student\_ID 10. The second query returns one row for Student\_ID 10. The third query returns one row for Student\_ID 10. The fourth query returns one row for Student\_ID 10. The fifth query returns one row for Student\_ID 10.

Student_ID	Student_name	Student_DateOfBirth	Student_Gender	student_startDate	Student_email	Student_Level	Student_Path	Student_GPA
10	Amal	0000-00-00	F	2020	am1234@xxxxx.xxx	3	Science	99

The 'Output' window shows the execution of the queries:

```

# Time Action Message
10 13:20:51 select * from Low_GPA_student LIMIT 0, 1000 1 row(s) returned
11 13:23:48 select * from student_info where Student_name like 'AS' LIMIT 0, 1000 1 row(s) returned

```

خامساً: طبق (Aggregate functions) AVG, MAX, MIN) على المعدل التراكمي للطلاب مع إضافة تسمية واضحة للنتائج.

The screenshot shows the MySQL Workbench interface. The 'Query' window contains the following SQL code:

```

11 select * from student_info
12 where Student_GPA < 80;
13 select * from Low_GPA_student ;
14 select * from student_info
15 where Student_name like 'AS';
16
17
18
19 select * from student_info
20 where Student_name like '-----';
21 select avg(Student_GPA)
22 from student_info;

```

The 'Result Grid' shows the results of the queries. The first query returns one row for Student\_ID 10. The second query returns one row for Student\_ID 10. The third query returns one row for Student\_ID 10. The fourth query returns one row for Student\_ID 10. The fifth query returns one row for Student\_ID 10.

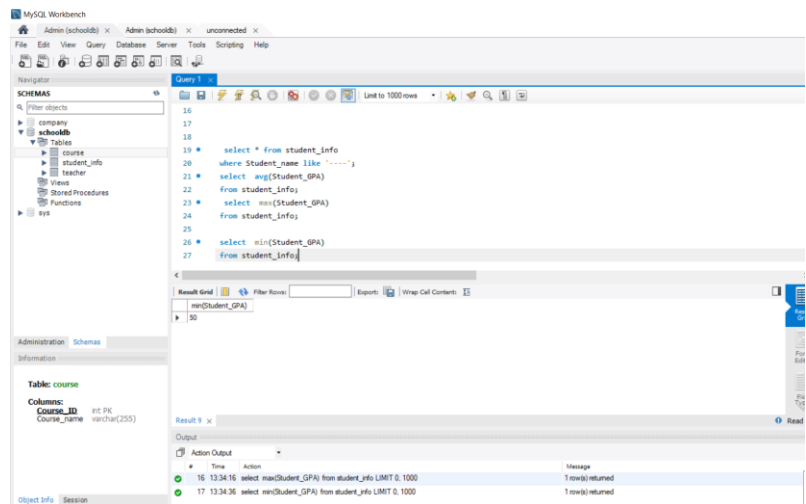
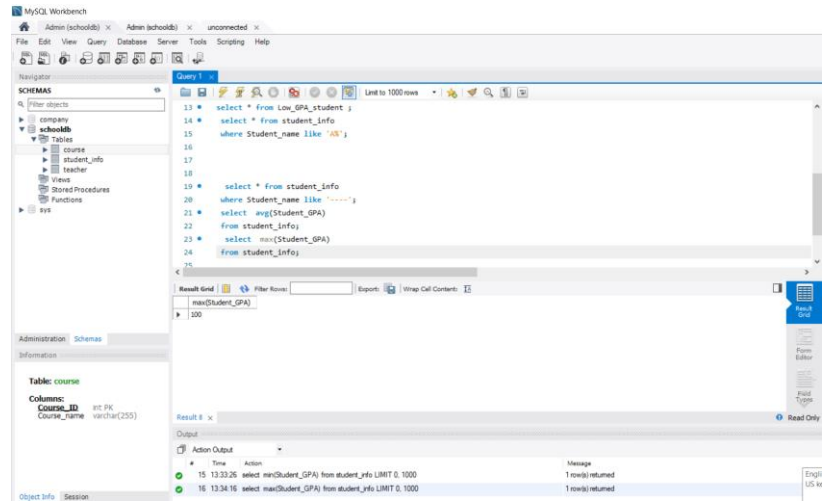
avg(Student_GPA)
95.33333333333333

The 'Output' window shows the execution of the queries:

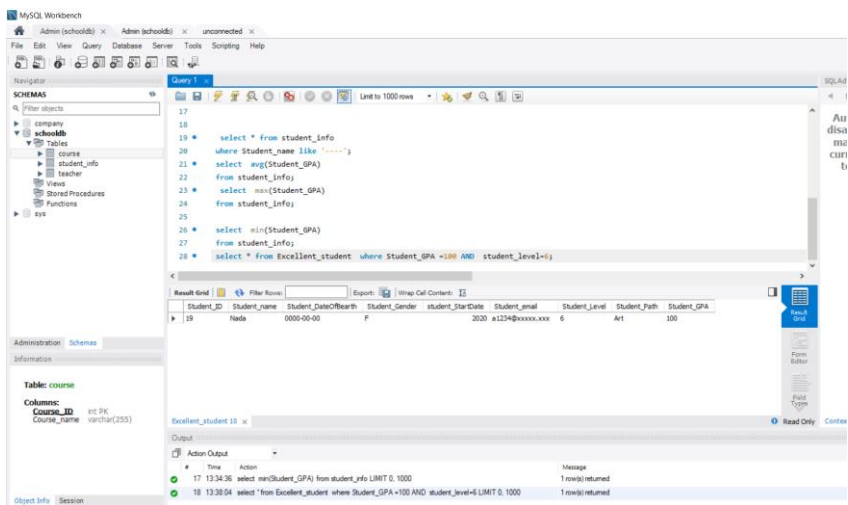
```

# Time Action Message
10 13:20:51 select * from Low_GPA_student LIMIT 0, 1000 1 row(s) returned
11 13:23:48 select * from student_info where Student_name like 'AS' LIMIT 0, 1000 1 row(s) returned

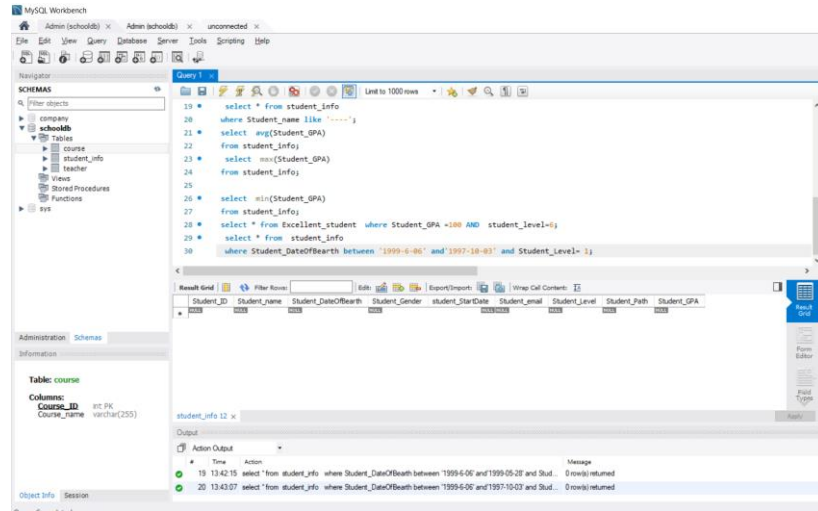
```



سادسا: حصر و عرض أسماء الطلاب المتفوقين في المستوى السادس الحاصلين على معدل تراكمي يساوي 100.



سابعاً: عرض الطلاب اللذين في المستوى الأول وأعمارهم بين ١٥ و ١٦ سنة.



The screenshot shows the MySQL Workbench interface. The 'Query' window contains the following SQL code:

```

19 * select * from student_info
20 * where Student_name like '-----';
21 * select avg(Student_GPA)
22 * from student_info;
23 * select max(Student_GPA)
24 * from student_info;
25
26 * select min(Student_GPA)
27 * from student_info;
28 * select * from Excellent_student where Student_GPA >=100 AND student_level=1;
29 * select * from student_info
30 * where Student_DateOfBirth between '1999-6-06' and '1997-10-03' and Student_Level= 1;

```

The 'Result Grid' shows the following columns: Student\_ID, Student\_name, Student\_DateOfBirth, Student\_Gender, Student\_StartDate, Student\_email, Student\_Level, Student\_Path, Student\_GPA. The results are as follows:

Student_ID	Student_name	Student_DateOfBirth	Student_Gender	Student_StartDate	Student_email	Student_Level	Student_Path	Student_GPA
19	-----	1999-06-06	F	2020-10-20	-----@xxxxx.xxx	1	Science	99
20	-----	1997-10-03	M	2020-10-20	-----@xxxxx.xxx	1	Art	100

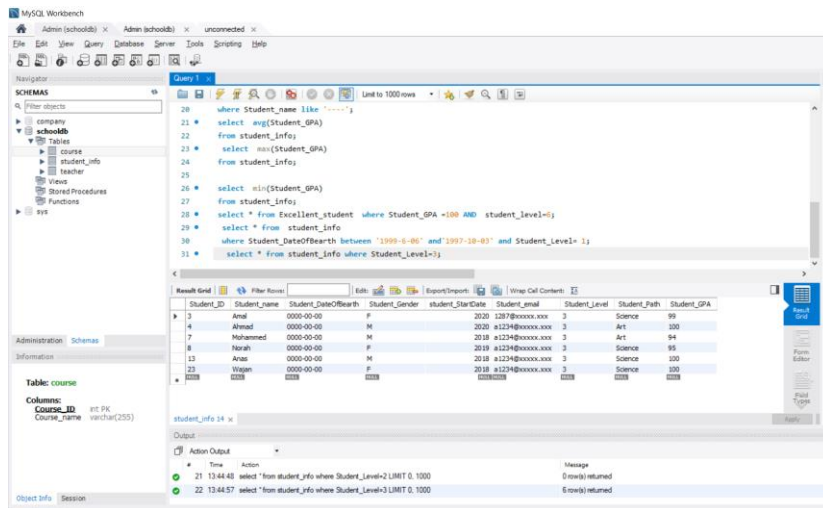
The 'Output' window shows the following messages:

```

19 13:42:15 select * from student_info where Student_DateOfBirth between '1999-6-06' and '1999-05-28' and Stud... 0 row(s) returned
20 13:43:07 select * from student_info where Student_DateOfBirth between '1999-6-06' and '1997-10-03' and Stud... 0 row(s) returned

```

ثامناً: عرض عدد الطلاب الموجودين بالمستوى ٢.



The screenshot shows the MySQL Workbench interface. The 'Query' window contains the following SQL code:

```

20 * where Student_name like '-----';
21 * select avg(Student_GPA)
22 * from student_info;
23 * select max(Student_GPA)
24 * from student_info;
25
26 * select min(Student_GPA)
27 * from student_info;
28 * select * from Excellent_student where Student_GPA >=100 AND student_level=1;
29 * select * from student_info
30 * where Student_DateOfBirth between '1999-6-06' and '1997-10-03' and Student_Level= 1;
31 * select * from student_info where Student_Level=1;

```

The 'Result Grid' shows the following columns: Student\_ID, Student\_name, Student\_DateOfBirth, Student\_Gender, Student\_StartDate, Student\_email, Student\_Level, Student\_Path, Student\_GPA. The results are as follows:

Student_ID	Student_name	Student_DateOfBirth	Student_Gender	Student_StartDate	Student_email	Student_Level	Student_Path	Student_GPA
3	Amal	0000-00-00	F	2020-12-27	-----@xxxxx.xxx	3	Science	99
4	Ahmad	0000-00-00	M	2020-12-27	-----@xxxxx.xxx	3	Art	100
7	Mohammed	0000-00-00	M	2018-12-27	-----@xxxxx.xxx	3	Art	94
8	Narah	0000-00-00	F	2018-12-27	-----@xxxxx.xxx	3	Science	95
13	Ahaz	0000-00-00	M	2018-12-27	-----@xxxxx.xxx	3	Science	100
23	Wagah	0000-00-00	F	2018-12-27	-----@xxxxx.xxx	3	Science	100

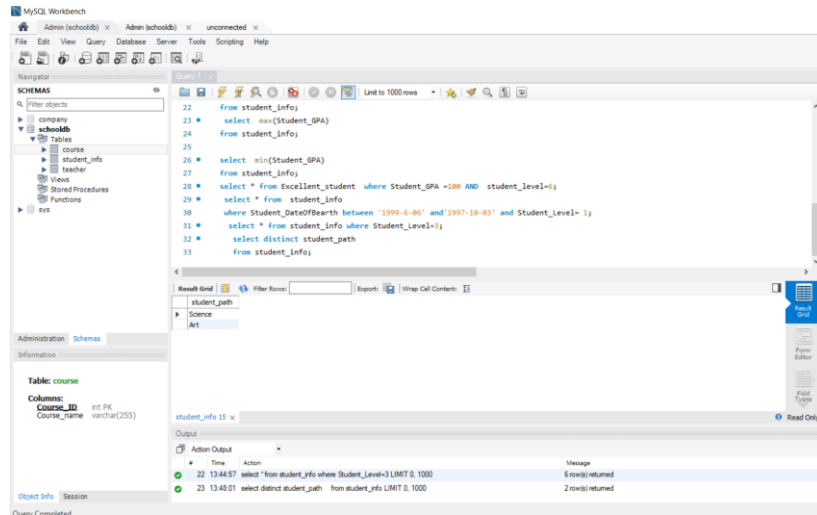
The 'Output' window shows the following messages:

```

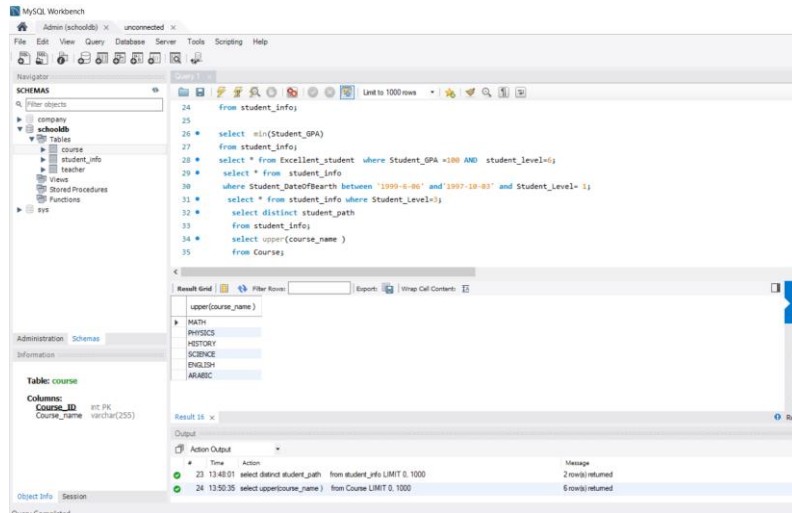
21 13:44:43 select * from student_info where Student_Level=2 LIMIT 0, 1000 0 row(s) returned
22 13:44:57 select * from student_info where Student_Level=3 LIMIT 0, 1000 0 row(s) returned

```

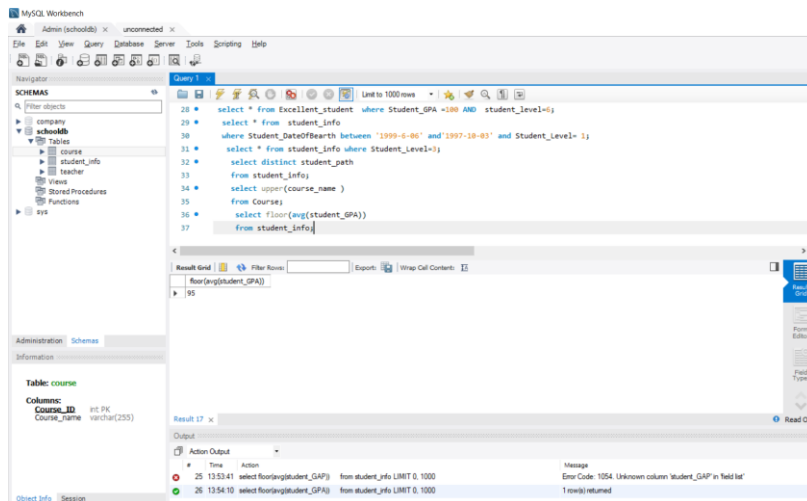
تاسعاً: استعراض مسارات الطلاب في المدرسة بدون تكرار.



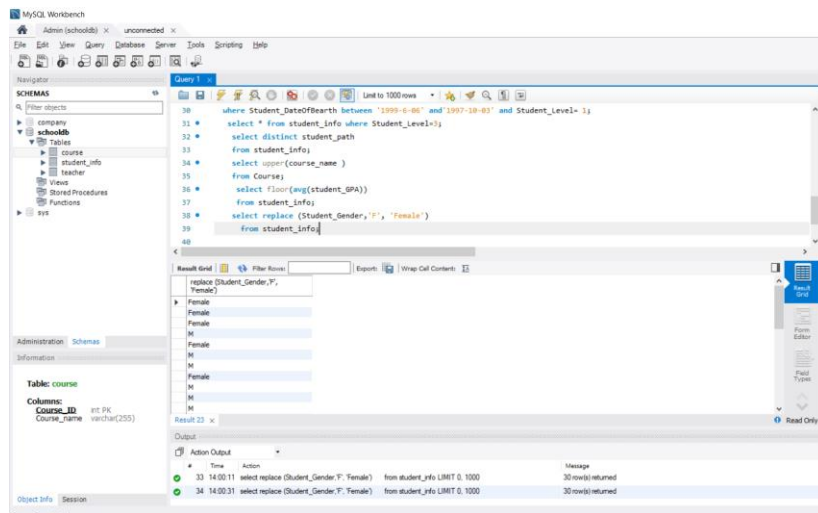
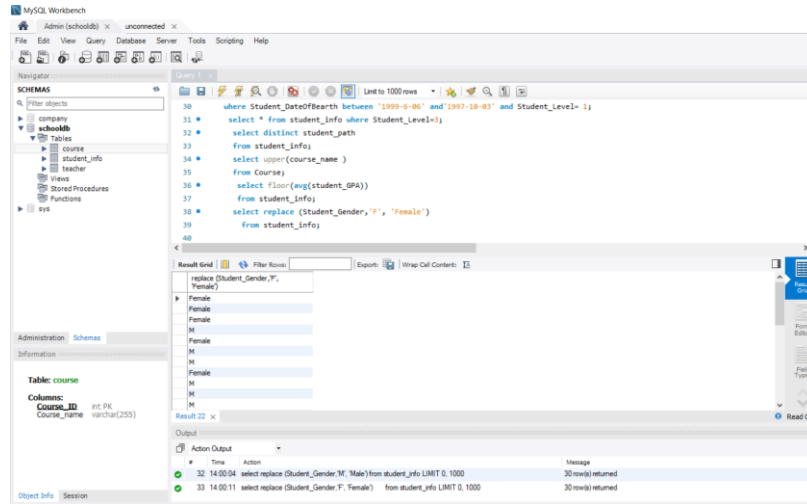
عاشرًا: عرض أسماء المواد ويتم عرض الكلمات بالأحرف الكبيرة.



احدى عشر: المتوسط الحسابي للمعدل التراكمي وقرب الرقم لأقرب أصغر عدد



اثنى عشر: تبديل جميع الصفوف من جدول الطلاب التي تحتوي على الجنس F إلى Female، و M إلى Male



ثلاثة عشر: تحديث المعدل التراكمي للطلاب الذي معدلهم التراكمي أقل من ٦٠ وزيادة معدلهم بخمس درجات.

MySQL Workbench

Admin (schooldb) x unconnected x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHMAS

Filter objects

company

schooldb

Tables

course

student\_info

teacher

views

Stored Procedures

Functions

sys

Administration Schemas

Information

Table: course

Columns:

Course\_ID PK

Course\_name varchar(255)

Query 1

Limit to 1000 rows

```
37 from student_info;
38 select replace (Student_Gender, 'f', 'female')
39 from student_info;
40
41 select replace (Student_Gender, 'm', 'male')
42 from student_info;
43
44 set SQL_SAFE_UPDATES=0;
45 update student_info set student_GPA = student_GPA+5 where student_GPA <60;
46 select student_GPA FROM student_info;
```

Result Grid

Filter Rows

Exports

Wrap Cell Contents

student\_GPA

95

98

99

100

90

92

94

95

99

60

95

97

student\_info 26 x

Output

Action Output

#	Time	Action	Message
45	14.13.08	update student_info set student_GPA = student_GPA+5 where student_GPA <60	0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0
46	14.14.29	select student_GPA FROM student_info LIMIT 0, 1000	30 row(s) returned

Object Info Session