Project: New Haven Urgent Care **Team#**

Test Date: 2019/12/12

Test Case ID#: 5

Name(s) of Tester(s): JunRen Huang

Test Description (What are you testing? – you must be specific):
This test is to test that can a patient be seen by only one service provider per visit

NOTE: The following information must be provided to be given credit for any test.

Test Data (Provide the file name of the script used to insert data, provide a screen capture to reflect data, or provide script here):

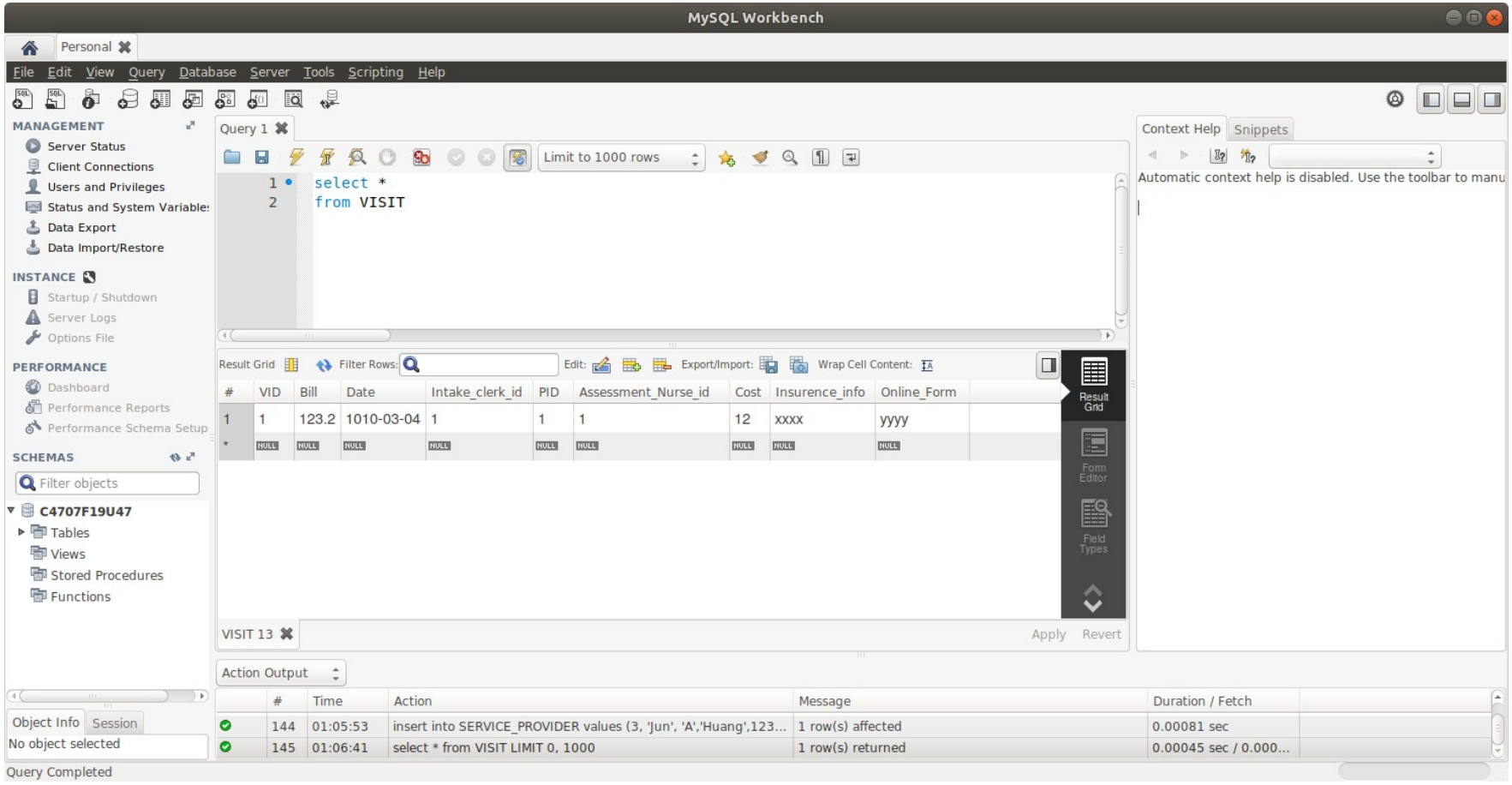
```
insert into PATIENT
values (001,'wang','k', 'xi',null,null,null,'xxxx','1001-01-01', 19);

insert into PATIENT
values (002,'wan','k', 'xian',null,null,null,'xxx','1001-02-02', 10);

insert into PATIENT
values (003,'wa','k', 'xiang',null,null,null,'xxxx','1001-02-02', 100);

insert into DEPARTMENT
values (1, 'First department');
```

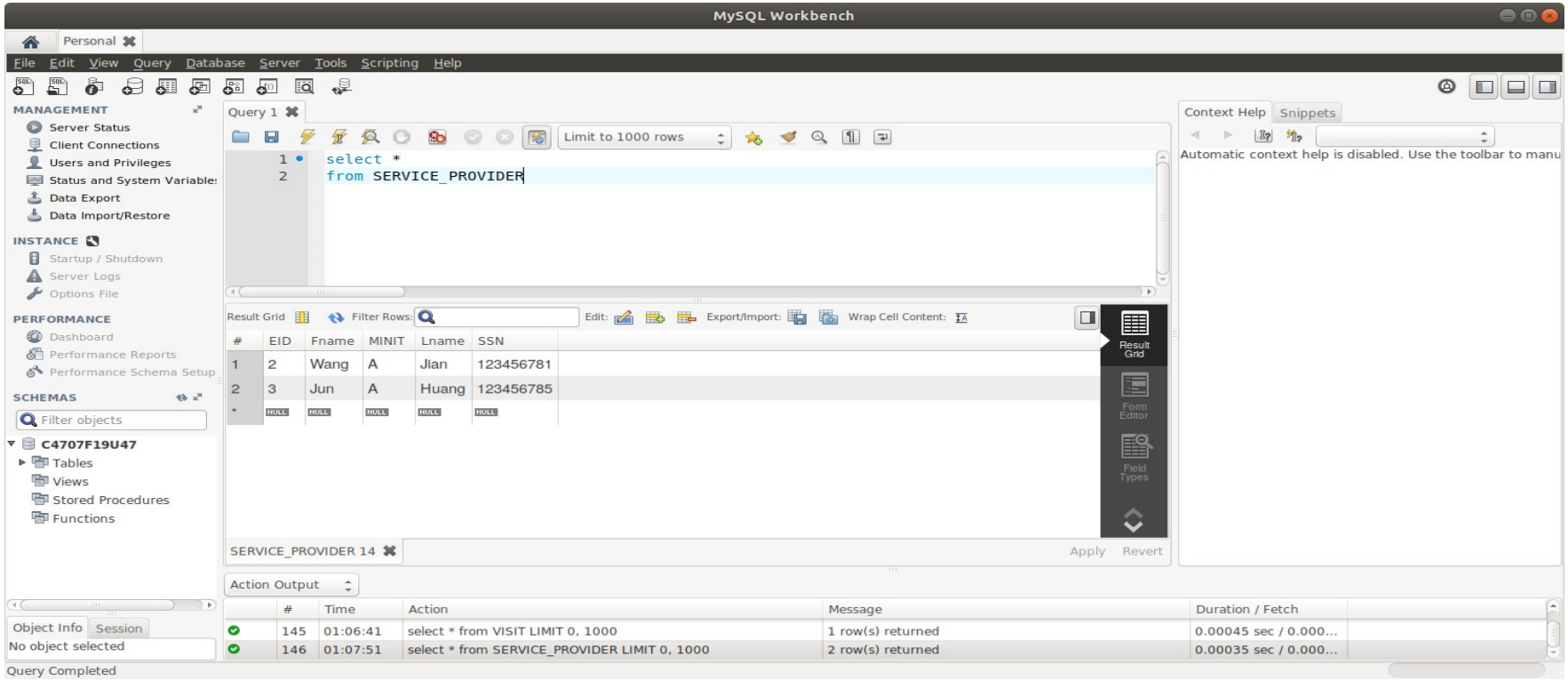
```
insert into INTAKE_DEPARTMENT
values (1, 'Intake department1');


insert into EMPLOYEE
values (1, 'Ken', 'A','Jian',123456789, 1);


insert into EMPLOYEE
values (3, 'Jun', 'A','Huang',123456785, 1);

insert into EMPLOYEE
values (2, 'Wang', 'A','Jian',123456781, 1);


insert into NURSE
values (1, 'Ken', 'A','Jian',123456789);


insert into ASSESSMENT_NURSE
values (1, 'Ken', 'A','Jian',123456789);


insert into VISIT
values (1, 123.2, "1010-03-04", 1, 1, 1, 12, "xxxx", "yyyy");

insert into SERVICE_PROVIDER
values (2, 'Wang', 'A','Jian',123456781);

insert into SERVICE_PROVIDER
values (3, 'Jun', 'A','Huang',123456785);
```

SQL Query(s) used for testing:

```
select *
from VISIT
```

select *
from SERVICE_PROVIDER
The result are following





Explanation and Discussion

No possible Query to prove that a patient can be seen by only one service provider per visit at all because VISIT has no direct or indirect relationship with SERVICE_PROVIDER. Therefore, Our design does not meet the requirement that a patient be seen by only one service provided per time. The VISIT has no relationship with SERVICE_PROVIDER at all. This is a huge design mistake. There should a relation between SERVICE_PROVIDER and VISIT, but somehow we miss it. The result is we can insert a row to VISIT without anything in SERVICE_PROVIDER, so patients can have a visit without a service provider.