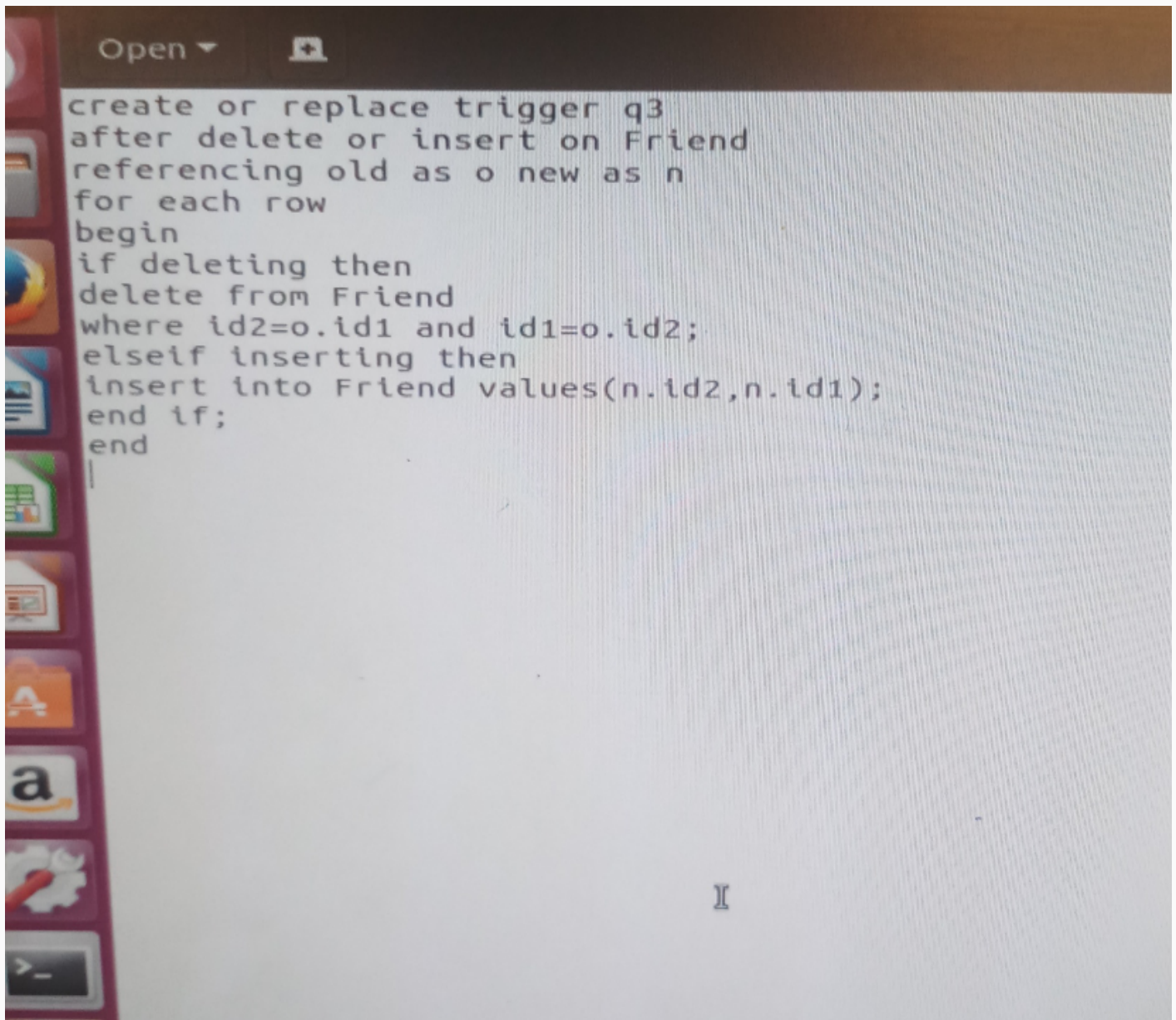


## UNCATEGORISED

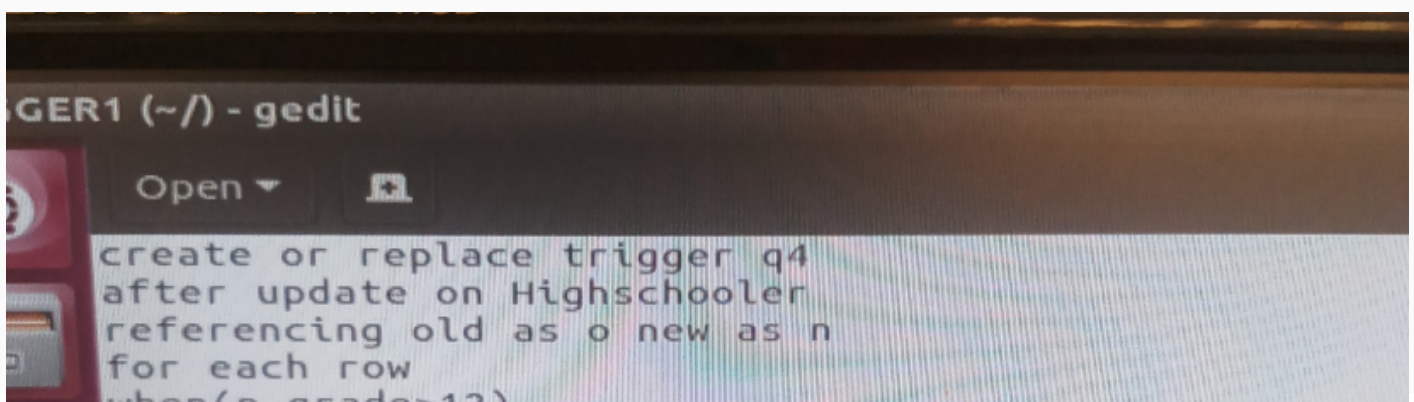
No title

Q3

A screenshot of a code editor window. The title bar shows 'Open' and a file icon. The code is written in a monospaced font. The code defines a trigger named 'q3' that fires after delete or insert operations on the 'Friend' table. It uses a loop 'for each row' and an 'if' statement to handle deleting and inserting. The 'delete' part removes rows from 'Friend' where 'id2' equals the old 'id1' and 'id1' equals the old 'id2'. The 'insert' part inserts a new row into 'Friend' with 'id2' as the new 'id1' and 'id1' as the new 'id2'.

```
create or replace trigger q3
after delete or insert on Friend
referencing old as o new as n
for each row
begin
if deleting then
delete from Friend
where id2=o.id1 and id1=o.id2;
elsif inserting then
insert into Friend values(n.id2,n.id1);
end if;
end
|
```

Q4

A screenshot of a code editor window. The title bar shows 'GER1 (~/) - gedit'. The code is written in a monospaced font. The code defines a trigger named 'q4' that fires after update operations on the 'Highschooler' table. It uses a loop 'for each row' and an 'if' statement to handle updating. The 'update' part updates rows in 'Highschooler' where 'id2' equals the old 'id1' and 'id1' equals the old 'id2'. The 'insert' part inserts a new row into 'Highschooler' with 'id2' as the new 'id1' and 'id1' as the new 'id2'.

```
create or replace trigger q4
after update on Highschooler
referencing old as o new as n
for each row
when (o.grader=12)
begin
if updating then
update Highschooler
set id2=o.id1, id1=o.id2
where id2=o.id1 and id1=o.id2;
elsif inserting then
insert into Highschooler values(n.id2,n.id1);
end if;
end
```

```
referencing old as o new as n  
for each row  
when(n.grade>12)  
begin  
delete from Highschooler  
where id=n.id;  
end  
|
```

Q5

ER1 (~/) - gedit

Open ▾



```
create or replace trigger q5a  
after update on Highschooler  
referencing old as o new as n  
for each row  
when(n.grade>12)  
begin  
delete from Highschooler  
where id=n.id;  
end  
|  
create or replace trigger q5b  
after update on Highschooler  
referencing old as o new as n  
for each row  
when(n.grade=o.grade+1)  
begin  
update Highschooler  
set grade=grade+1 where id in (select id1 from Friend where id2=n.id);  
end|
```

I



## Q6

es | DB11 Courseware | Stanford Lagunita - Mozilla Firefox

event trigger x +

ourses/DB/Constraints/SelfPaced/courseware/c

Search

- Your triggers are created in SQLite, so you must conform to the trigger constru

```
1 create trigger q6
2 after update on Likes
3 for each row
4 when(old.id1=new.id1 and old.id2<>new.id2)
5 begin
6 delete from Friend
7 where id1=new.id2 and id2=old.id2 or id2=new.id2 and id1=old.id2;
8 end
```

Incorrect

**Incorrect**

Trigger command(s) were executed.

To test your trigger(s), we tried to run the following data modification statement(s): up

Last modified: 11 Nov 2017