

https://screencast.uninett.no/relay/ansatt/mjstanguio.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

mjstang@austur:~

File	Edit	View	Search	Terminal	Help
public				filmrating	table   ifikurs_rw
public				forrigenavn	table   mjstang
public				genre	table   ifikurs_rw
public				language	table   ifikurs_rw
public				matrikkel	table   mjstang
public				pers	table   mjstang
public				person	table   ifikurs_rw
public				personar	table   mjstang
public				runningtime	table   ifikurs_rw
public				runningtimeinfo	table   ifikurs_rw
public				salgspart	table   mjstang
public				selskapsinfo	table   mjstang
public				series	table   ifikurs_rw
public				test1	table   mjstang
public				test2	table   mjstang
public				timeantall	view   mjstang
public				timeliste	table   mjstang
public				timelistelinje	table   mjstang
public				varighet	view   mjstang
				(35 rows)	

```
mjstang=> set search_path to plenum;
SET
mjstang=> \d
      List of relations
 Schema |   Name    | Type  | Owner
-----+-----+-----+
  plenum | bokI    | table | mjstang
  plenum | forfatter | table | mjstang
(2 rows)

mjstang=>
```

mjstang@austur:~]\$ sql
password for user mjstang:
rl: fe\_sendauth: no password supplied
mjstang@austur ~]\$

2017-09-19.sql — ~/inf1300 — Atom

```
selection Find Packages Help
19.sql
```

iger .bashrc:—

```
as sql='psql -h dbpg-ifi-kurs -U mjstang'—
8 source .bashrc
```

-/inf1300/2017-09-19.sql\* 5:10

LF UTF-8 SQL master ↻ 1 2 files

https://screencast.uninett.no/relay/ansatt/mjstanguo.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

```
mjstang@austur:~
```

		tittel	utgitt	ut
0	0	Nineteen Eighty-Four	1949	
1	2	Information Modeling and Relational Databases	2010	
2	0	Animal Farm	1945	
4	3	Snømannen	2007	
5	3	Hodejegerne	2008	
1	120000	The Hobbit	1937	
3	1500	The Fellowship of the Ring	1954	
1	1	The Two Towers	1954	
6	1	The Return of the King	1955	
7	1	Peer Gynt	1867	
8	4	Et dukkehjem	1879	
9	1	8000	1880	
10	4	Et dukkehjem		
11	2	3000		

```
(12 rows)
```

```
mjstang=> [REDACTED]
```

```
mjstang@austur:~
```

```
istang@austur ~]$ sql
$word for user mjstang:
$ll: fe_sendauth: no password supplied
$stang@austur ~]$ [REDACTED]
```

```
2017-09-19.sql -- ~/inf1300 -- Atom
```

```
selection Find Packages Help
19.sql
```

```
iger .bashrc:-
as sql='psql -h dbpg-ififi-kurs -U mjstang'-
8 source .bashrc
```

```
-/inf1300/2017-09-19.sql* 5:10
LF UTF-8 SQL master 1 2 files
```

https://screencast.uninett.no/relay/ansatt/mjstanguo.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

```
mjstang@austrur:~
```

6	1	The Fellowship of the Ring		1954
7	1	The Two Towers		1954
8	1	The Return of the King		1955
9	4	Peer Gynt		1867
10	4	Et dukkehjem		1879
1	8000			
11	4	Et dukkehjem		1880
2	3000			

(12 rows)

```
mjstang=> select * from bok;
```

id	forfatter_id	tittel	utgitt	utgave	opplag
0	0	Nineteen Eighty-Four	1949		
1	2	Information Modeling and Relational Databases	2010	2	
2	0	Animal Farm	1945		
4	3	Snømannen	2007		
5	3	Hodejegerne	2008	1	120000
3	1	The Hobbit	1937	1	1500
6	1	The Fellowship of the Ring	1954		
7	1	The Two Towers	1954		
8	1	The Return of the King	1955		
9	4	Peer Gynt	1867		
10	4	Et dukkehjem	1879	1	8000
11	4	Et dukkehjem	1880	2	3000

(12 rows)

```
mjstang=>
```

source .bashrc

https://screencast.uninett.no/relay/ansatt/mjstanguo.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

```
mjstang@austrur:~
```

File Edit View Search Terminal Help

2 | 3000  
(12 rows)

```
mjstang=> select * from bok;
```

id	forfatter_id	tittel	utgitt	utgave	opplag
0	0	Nineteen Eighty-Four	1949		
1	2	Information Modeling and Relational Databases	2010	2	
2	0	Animal Farm	1945		
4	3	Snømannen	2007		
5	3	Hodejegerne	2008	1	120000
3	1	The Hobbit	1937	1	1500
6	1	The Fellowship of the Ring	1954		
7	1	The Two Towers	1954		
8	1	The Return of the King	1955		
9	4	Peer Gynt	1867		
10	4	Et dukkehjem	1879	1	8000
11	4	Et dukkehjem	1880	2	3000

(12 rows)

```
mjstang=> select * from forfatter;
```

forfatter_id	navn	land
0	George Orwell	UK
1	J.R.R. Tolkien	UK
2	Terry Halpin	AU
3	Jo Nesbø	NO
4	Henrik Ibsen	NO
5	Mathias Stang	NO

(6 rows)

```
mjstang=>
```

source .bashrc

-/inf1300/2017-09-19.sql\* 5:10

LF UTF-8 SQL master ↻ ↑ 1 2 files

9:52 / 45:10 NOB 11:25 19.09.2017

https://screencast.uninett.no/relay/ansatt/mjstanguo.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

```
mjstang@austrur:~
```

11	4	Et dukkehjem	1880	2	3000
(12 rows)					

```
mjstang=> select * from forfatter;
```

forfatter_id	navn	land
0	George Orwell	UK
1	J.R.R. Tolkien	UK
2	Terry Halpin	AU
3	Jo Nesbø	NO
4	Henrik Ibsen	NO
5	Mathias Stang	NO
(6 rows)		

```
mjstang=> select * from bok order by id;
```

id	forfatter_id	tittel	utgitt	utgave	opplag
0	0	Nineteen Eighty-Four	1949		
1	2	Information Modeling and Relational Databases	2010	2	
2	0	Animal Farm	1945		
3	1	The Hobbit	1937	1	1500
4	3	Snømannen	2007		
5	3	Hodejegerne	2008	1	120000
6	1	The Fellowship of the Ring	1954		
7	1	The Two Towers	1954		
8	1	The Return of the King	1955		
9	4	Peer Gynt	1867		
10	4	Et dukkehjem	1879	1	8000
11	4	Et dukkehjem	1880	2	3000
(12 rows)					

```
mjstang=> [REDACTED]
```

```
source .bashrc
```

https://screencast.uninett.no/relay/ansatt/mjstanguio.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

login.uio.no 0 - X-Win32 2014 Applications Places System mjstang@austur:~ Tue Sep 19, 11:27

```
File Edit View Search Terminal Help
(12 rows)

mjstang=> select * from forfatter;
forfatter_id | navn      | land
-----+-----+-----+
 0 | George Orwell | UK
 1 | J.R.R. Tolkien | UK
 2 | Terry Halpin | AU
 3 | Jo Nesbø | NO
 4 | Henrik Ibsen | NO
 5 | Mathias Stang | NO
(6 rows)

mjstang=> select * from bok order by id;
id | forfatter_id | tittel | utgitt | utgave | opplag
-----+-----+-----+-----+-----+-----+
 0 | 0 | Nineteen Eighty-Four | 1949 |
 1 | 2 | Information Modeling and Relational Databases | 2010 | 2 |
 2 | 0 | Animal Farm | 1945 |
 3 | 1 | The Hobbit | 1937 | 1 | 1500
 4 | 3 | Snømannen | 2007 |
 5 | 3 | Hodejegerne | 2008 | 1 | 120000
 6 | 1 | The Fellowship of the Ring | 1954 |
 7 | 1 | The Two Towers | 1954 |
 8 | 1 | The Return of the King | 1955 |
 9 | 4 | Peer Gynt | 1867 |
10 | 4 | Et dukkehjem | 1879 | 1 | 8000
11 | 4 | Et dukkehjem | 1880 | 2 | 3000
(12 rows)

mjstang=> select * from book
mjstang->
```

https://screencast.uninett.no/relay/ansatt/mjstanguo.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

login.fil.no 0 - X-Win32 2014 Applications Places System SMART Ink Tue Sep 19, 11:27

mjstang@austur:~

```
File Edit View Search Terminal Help
1 | 2 | Information Modeling and Relational Databases | 2010 | 2 |
2 | 0 | Animal Farm | 1945 |
4 | 3 | Snømannen | 2007 |
5 | 3 | Hodejegerne | 2008 | 1 | 120000
3 | 1 | The Hobbit | 1937 | 1 | 1500
6 | 1 | The Fellowship of the Ring | 1954 |
7 | 1 | The Two Towers | 1954 |
8 | 1 | The Return of the King | 1955 |
9 | 4 | Peer Gynt | 1867 |
10 | 4 | Et dukkehjem | 1879 | 1 | 8000
11 | 4 | Et dukkehjem | 1880 | 2 | 3000
(12 rows)

mjstang=> select * from bok
mjstang-> ;
id | forfatter_id | tittel | utgitt | utgave | opplag
---+---+-----+-----+-----+-----+
0 | 0 | Nineteen Eighty-Four | 1949 |
1 | 2 | Information Modeling and Relational Databases | 2010 | 2 |
2 | 0 | Animal Farm | 1945 |
4 | 3 | Snømannen | 2007 |
5 | 3 | Hodejegerne | 2008 | 1 | 120000
3 | 1 | The Hobbit | 1937 | 1 | 1500
6 | 1 | The Fellowship of the Ring | 1954 |
7 | 1 | The Two Towers | 1954 |
8 | 1 | The Return of the King | 1955 |
9 | 4 | Peer Gynt | 1867 |
10 | 4 | Et dukkehjem | 1879 | 1 | 8000
11 | 4 | Et dukkehjem | 1880 | 2 | 3000
(12 rows)

mjstang=>
```

https://screencast.uninett.no/relay/ansatt/mjstanguo.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

login.if.uio.no 0 - X-Win32 2014

File Edit View Search Terminal Help

mjstang@austur:~

		Information Modeling and Relational Databases	2010	2	
1	2	Animal Farm	1945		
2	0	Snømannen	2007		
4	3	Hodejegerne	2008	1	120000
5	3	The Hobbit	1937	1	1500
3	1	The Fellowship of the Ring	1954		
6	1	The Two Towers	1954		
7	1	The Return of the King	1955		
8	4	Peer Gynt	1867		
9	4	Et dukkehjem	1879	1	8000
10	4	Et dukkehjem	1880	2	3000
(12 rows)					

mjstang=> select \* from bok

mjstang-> ;

id	forfatter_id	tittel	utgitt	utgave	opplag
0	0	Nineteen Eighty-Four	1949		
1	2	Information Modeling and Relational Databases			
2	0	Animal Farm			
4	3	Snømannen			
5	3	Hodejegerne			
3	1	The Hobbit			
6	1	The Fellowship of the Ring			
7	1	The Two Towers			
8	1	The Return of the King			
9	4	Peer Gynt			
10	4	Et dukkehjem			
11	4	Et dukkehjem			
(12 rows)					

mjstang=>

File Edit Selection Find Packages Help

2017-09-19.sql — ~/inf1300 — Atom

```
1 select * from bok;
2
3
4
5 /*rediger .bashrc:
6 alias sql='psql -h dbpg-ififi-kurs -U mjstang'-
7 source .bashrc*/
```

~/inf1300/2017-09-19.sql 1:19

LF UTF-8 SQL master ↻ 1 2 files

12.47 745.10 11:28 19.09.2017

mjstang@austur:~ 2017-09-19.sql — ~/inf1300 — mjstang@austur:~

Windows Start Internet Explorer File Edit View Selection Find Packages Help

Smart Ink

Tue Sep 19, 11:28

14.35 NOB NO 27.07.2018

https://screencast.uninett.no/relay/ansatt/mjstanguo.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

login.if.uio.no 0 - X-Win32 2014

Applications Places System SMART Ink Tue Sep 19, 11:28

mjstang@austur:~

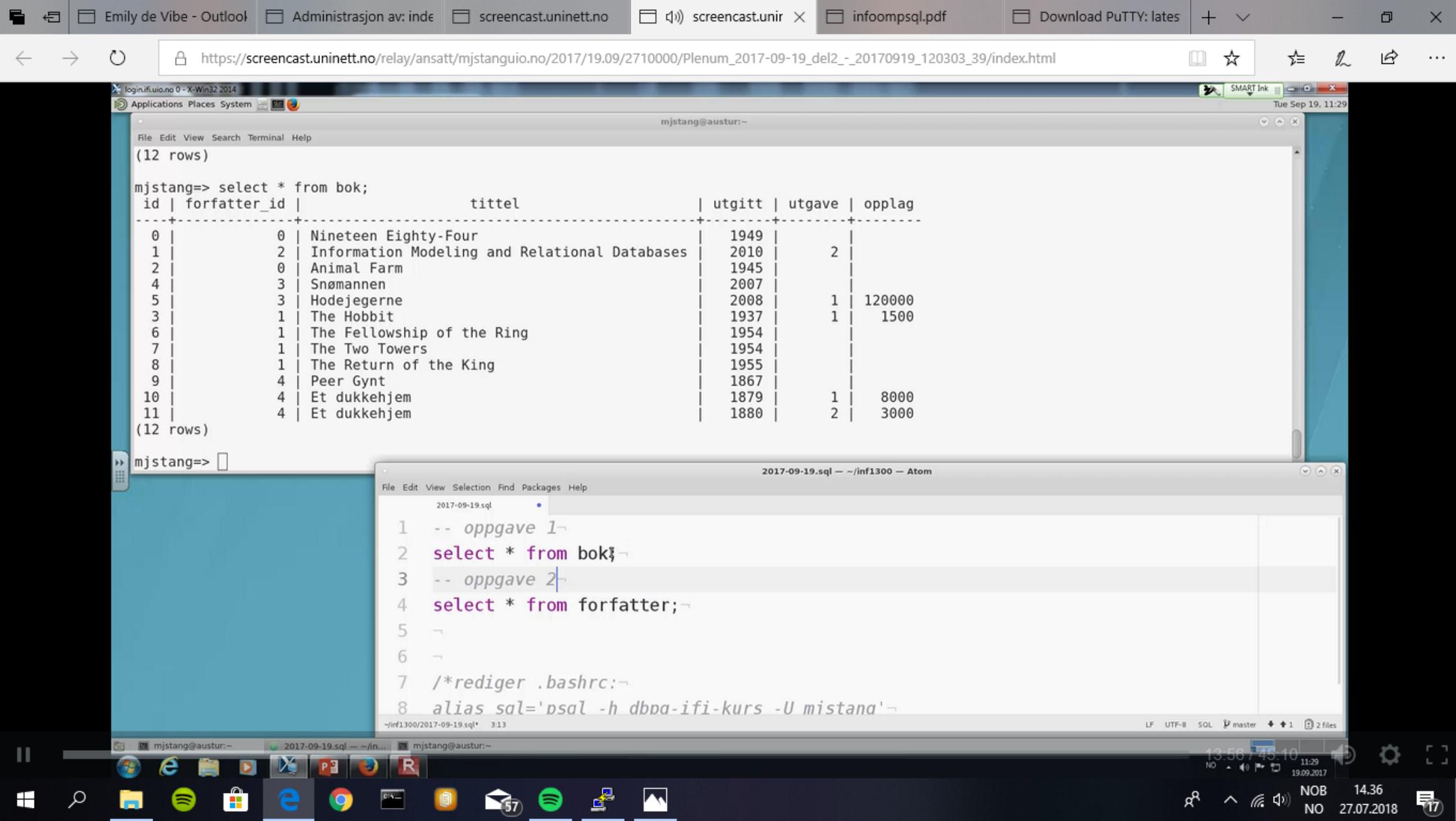
File	Edit	View	Search	Terminal	Help
0	0	Nineteen Eighty-Four	1949		
1	2	Information Modeling and Relational Databases	2010	2	
2	0	Animal Farm	1945		
4	3	Snømannen	2007		
5	3	Hodejegerne	2008	1	120000
3	1	The Hobbit	1937	1	1500
6	1	The Fellowship of the Ring	1954		
7	1	The Two Towers	1954		
8	1	The Return of the King	1955		
9	4	Peer Gynt	1867		
10	4	Et dukkehjem	1879	1	8000
11	4	Et dukkehjem	1880	2	3000
(12 rows)					

```
mjstang=> select * from bok;
+-----+-----+-----+-----+
| id | forfatter_id | tittel | utgitt | utgave | opplag |
+-----+-----+-----+-----+
| 0 | 0 | Nineteen Eighty-Four | 1949 | | |
| 1 | 2 | Information Modeling and Relational Databases | 2010 | | |
| 2 | 0 | Animal Farm | 1945 | | |
| 4 | 3 | Snømannen | 2007 | | |
| 5 | 3 | Hodejegerne | 2008 | 1 | 120000 |
| 3 | 1 | The Hobbit | 1937 | 1 | 1500 |
| 6 | 1 | The Fellowship of the Ring | 1954 | | |
| 7 | 1 | The Two Towers | 1954 | | |
| 8 | 1 | The Return of the King | 1955 | | |
| 9 | 4 | Peer Gynt | 1867 | | |
| 10 | 4 | Et dukkehjem | 1879 | 1 | 8000 |
| 11 | 4 | Et dukkehjem | 1880 | 2 | 3000 |
+-----+-----+-----+-----+
(12 rows)
```

```
mjstang=>
```

2017-09-19.sql — ~/inf1300 — Atom

```
File Edit View Selection Find Packages Help
2017-09-19.sql
1 select * from bok;
2
3
4
5 /*rediger .bashrc:-
6 alias sql='psql -h dbpg-ififi-kurs -U mjstang'-
7 source .bashrc*/
```



https://screencast.uninett.no/relay/ansatt/mjstanguo.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

login.if.uio.no 0 - X-Win32 2014

File Edit View Search Terminal Help

mjstang@austur:~

(12 rows)

```
mjstang=> select * from bok;
+-----+-----+-----+-----+-----+
| id | forfatter_id | tittel | utgitt | utgave | opplag |
+-----+-----+-----+-----+-----+
| 0  | 0            | Nineteen Eighty-Four | 1949 |        |          |
| 1  | 2            | Information Modeling and Relational Databases | 2010 | 2      |          |
| 2  | 0            | Animal Farm | 1945 |        |          |
| 4  | 3            | Snømannen | 2007 |        |          |
| 5  | 3            | Hodejegerne | 2008 | 1      | 120000   |
| 3  | 1            | The Hobbit | 1937 | 1      | 1500     |
| 6  | 1            | The Fellowship of the Ring | 1954 |        |          |
| 7  | 1            | The Two Towers | 1954 |        |          |
| 8  | 1            | The Return of the King | 1955 |        |          |
| 9  | 4            | Peer Gynt | 1867 |        |          |
| 10 | 4            | Et dukkehjem | 1879 | 1      | 8000     |
| 11 | 4            | Et dukkehjem | 1880 | 2      | 3000     |
(12 rows)
```

mjstang=>

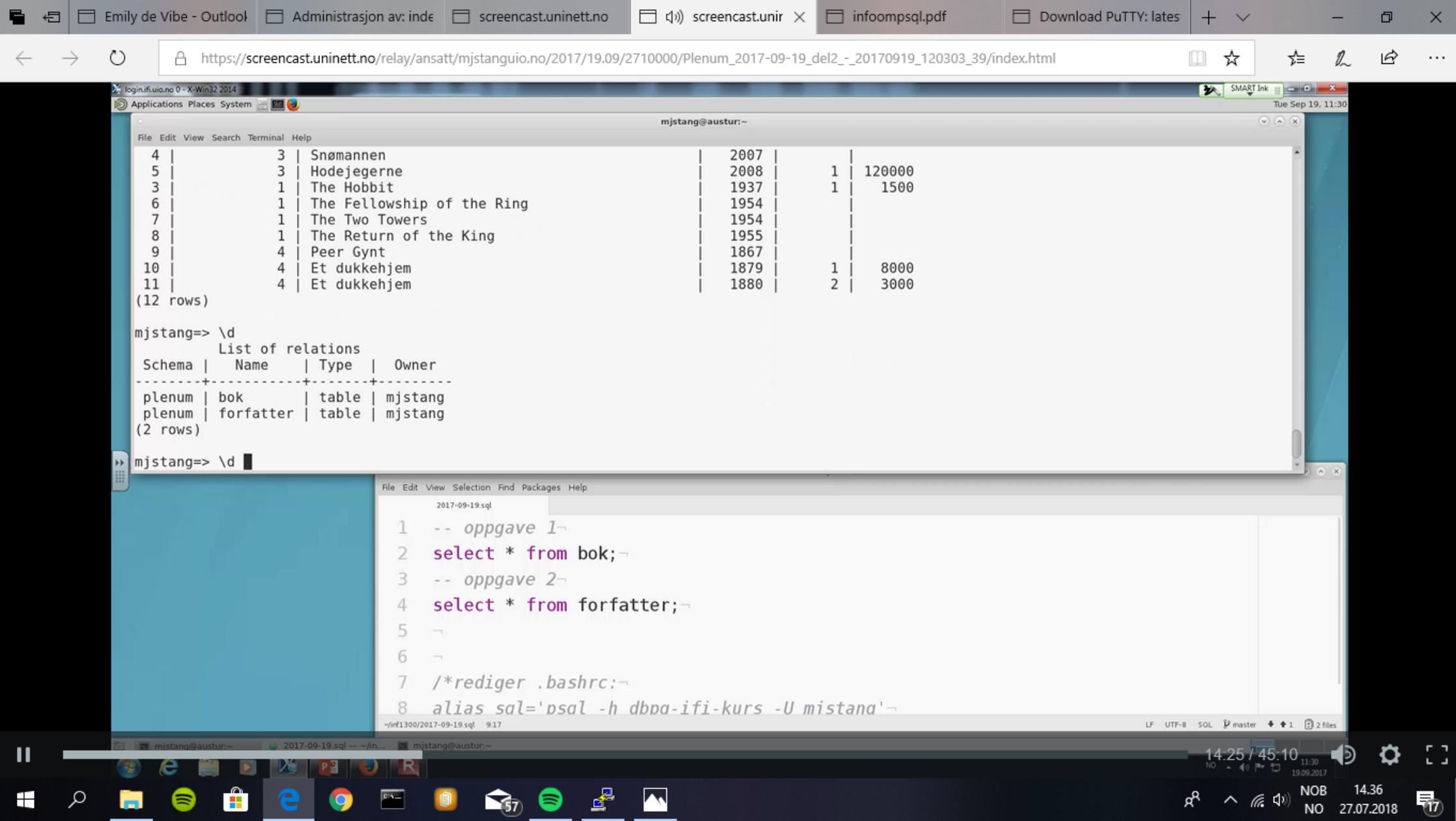
File Edit View Selection Find Packages Help

2017-09-19.sql — ~/inf1300 — Atom

```
2017-09-19.sql
2 select * from bok;-
3 -- oppgave 2-
4 select * from forfatter;-
5 -
6 -
7 /*rediger .bashrc:-
8 alias sql='psql -h dbpg-ififi-kurs -U mjstang'-
9 source .bashrc*/
```

mjstang@austur:~ 2017-09-19.sql — ~/inf1300 — mjstang@austur:~

14.02.75.10 11:29 19.09.2017 NO 14.36 NO 14.36 NO 27.07.2018



Emily de Vibe - Outlook Administrasjon av: inde screencast.uninett.no screencast.unir infoompgsql.pdf Download PuTTY: latest + - X

[https://screencast.uninett.no/relay/ansatt/mjstanquio.no/2017/19.09/2710000/Plenum\\_2017-09-19\\_del2\\_-\\_20170919\\_120303\\_39/index.html](https://screencast.uninett.no/relay/ansatt/mjstanquio.no/2017/19.09/2710000/Plenum_2017-09-19_del2_-_20170919_120303_39/index.html)

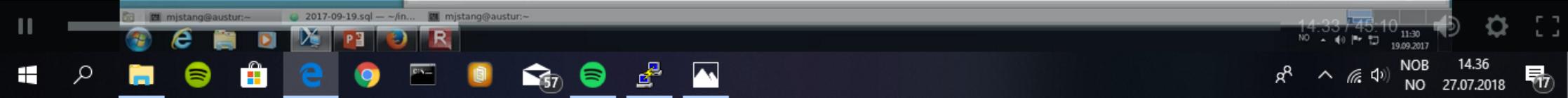
```
login.uu.uio.no 0 - X-Win32 2014
Applications Places System SMART Ink
Tue Sep 19, 11:30

File Edit View Search Terminal Help
mjstang@austur:~ plenum | bok      | table | mjstang
mjstang | forfatter | table | mjstang
(2 rows)

mjstang=> \d bok
          Table "plenum.bok"
   Column    |      Type      | Modifiers
-----+-----+-----+
 id     | integer      | not null
 forfatter_id | integer      |
 tittel    | character varying | not null
 utgitt    | integer      | not null
 utgave    | integer      |
 opplag    | integer      |
Indexes:
    "bok_pkey" PRIMARY KEY, btree (id)
Foreign-key constraints:
    "bok_forfatter_id_fkey" FOREIGN KEY (forfatter_id) REFERENCES forfatter(forfatter_id)

mjstang=> █
```

```
File Edit View Selection Find Packages Help  
2017-09-19.sql  
1 -- oppgave 1  
2 select * from bok;  
3 -- oppgave 2  
4 select * from forfatter;  
5  
6  
7 /*rediger .bashrc:  
8 alias sal='psql -h dbpa-ifi-kurs -U mistana'  
-/uf1300/2017-09-19.sql 9:17 LF UTF-8 SQL master ↴ ↵ 1 file
```



[https://screencast.uninett.no/relay/ansatt/mjstanquio.no/2017/19.09/2710000/Plenum\\_2017-09-19\\_del2\\_-\\_20170919\\_120303\\_39/index.html](https://screencast.uninett.no/relay/ansatt/mjstanquio.no/2017/19.09/2710000/Plenum_2017-09-19_del2_-_20170919_120303_39/index.html)

```
File Edit View Search Terminal Help
"bok_forfatter_id_fkey" FOREIGN KEY (forfatter_id) REFERENCES forfatter(forfatter_id)

mjstang=> select * from bok;
+-----+-----+-----+-----+-----+-----+
| id | forfatter_id | tittel | utgitt | utgave | opplag |
+-----+-----+-----+-----+-----+-----+
| 0 | 0 | Nineteen Eighty-Four | 1949 | I | |
| 1 | 2 | Information Modeling and Relational Databases | 2010 | 2 | 
| 2 | 0 | Animal Farm | 1945 | | 
| 4 | 3 | Snømannen | 2007 | | 
| 5 | 3 | Hodejegerne | 2008 | 1 | 1200000 |
| 3 | 1 | The Hobbit | 1937 | 1 | 1500 |
| 6 | 1 | The Fellowship of the Ring | 1954 | | 
| 7 | 1 | The Two Towers | 1954 | | 
| 8 | 1 | The Return of the King | 1955 | | 
| 9 | 4 | Peer Gynt | 1867 | | 
| 10 | 4 | Et dukkehjem | 1879 | 1 | 8000 |
| 11 | 4 | Et dukkehjem | 1880 | 2 | 3000 |
+-----+-----+-----+-----+-----+-----+
(12 rows)
```

mjstang=>

```
File Edit View Selection Find Packages Help  
2017-09-19.sql  
1 -- oppgave 1  
2 select * from bok;  
3 -- oppgave 2  
4 select * from forfatter;  
5  
6  
7 /*rediger .bashrc:  
8 alias sal='psal -h dbpa-ifi-kurs -U mistana'
```

[https://screencast.uninett.no/relay/ansatt/mjstanquio.no/2017/19.09/2710000/Plenum\\_2017-09-19\\_del2\\_-\\_20170919\\_120303\\_39/index.html](https://screencast.uninett.no/relay/ansatt/mjstanquio.no/2017/19.09/2710000/Plenum_2017-09-19_del2_-_20170919_120303_39/index.html)

id	forfatter_id	tittel	utgitt	utgave	opplag
0	0	Nineteen Eighty-Four	1949		
1	2	Information Modeling and Relational Databases	2010	2	
2	0	Animal Farm	1945		
4	3	Snømannen	2007		
5	3	Hodejegerne	2008	1	120000
3	1	The Hobbit	1937	1	1500
6	1	The Fellowship of the Ring	1954		
7	1	The Two Towers	1954		
8	1	The Return of the King	1955		
9	4	Peer Gynt	1867		
10	4	Et dukkehjem	1879	1	8000
11	4	Et dukkehjem	1880	2	3000

```
mjstang=> select * from forfatter;  
forfatter_id | navn | land
```

0	George Orwell	UK
1	J.R.R. Tolkien	UK
2	Terry Halpin	AU
3	Jo Nesbø	NO
4	Henrik Ibsen	NO
5	Mathias Stang	NO

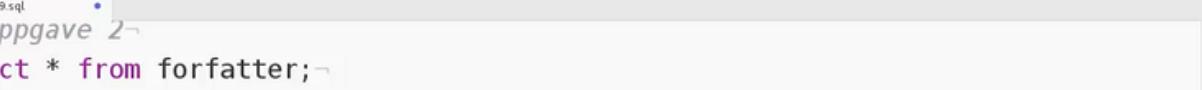
(6 rows)

mjstang=>

```
5 →  
6 →  
7 √ /*rediger .bashrc:-  
8 alias sal='psal -h dbpa-ifi-kurs -U mistana'
```

```
login.if.uio.no 0 - X-Win32 2014                               SMART Ink   x
Applications Places System  SMART Ink   x
Tue Sep 19, 11:35
File Edit View Search Terminal Help
mjstang@austur:~
-----
      0 | George Orwell | UK
      1 | J.R.R. Tolkien | UK
      2 | Terry Halpin   | AU
      3 | Jo Nesbø       | NO
      4 | Henrik Ibsen  | NO
      5 | Mathias Stang | NO
(6 rows)

mjstang=> select *
mjstang-> from bok
mjstang-> where utgitt = 1954;    I
      id | forfatter_id |          tittel |  utgitt |  utgave | opplag
-----+-----+-----+-----+-----+-----+
      6 |           1 | The Fellowship of the Ring | 1954 |        |
      7 |           1 | The Two Towers           | 1954 |        |
(2 rows)
```



A screenshot of the Atom code editor interface. The title bar shows "2017-09-19.sql — ~/inf1300 — Atom". The menu bar includes File, Edit, View, Selection, Find, Packages, and Help. The main editor area displays the following SQL script:

```
2017-09-19.sql
1 -- oppgave 2
2
3 select * from forfatter;
4
5
6 select *
7 from bok
8 where utgitt = 1954;
9
10 /*rediger .bashrc:*/
```

The status bar at the bottom shows the file path "~/inf1300/2017-09-19.sql", line 6, column 1, and a total of 38 lines. It also indicates the file is saved and shows encoding as UTF-8, database master, and 2 files.

Emily de Vibe - Outlook

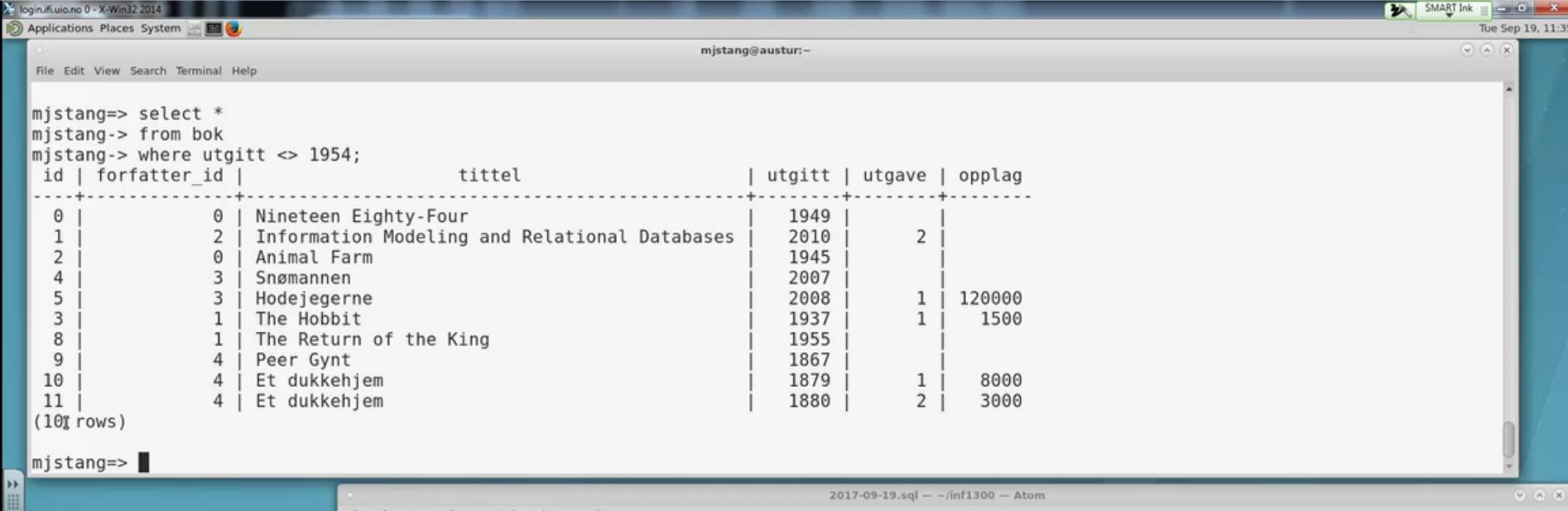
## Administrasjon av: inde

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infoompgsql.pdf

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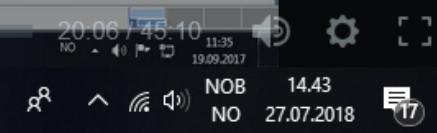
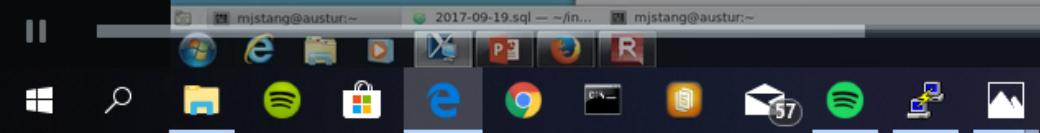


2017-09-19.sql - /inf1300 - Atom

```
File Edit View Selection Find Packages Help  
2017-09-19.sql *  
3 -- oppgave 2  
4 select * from forfatter;  
5 ~  
6 select *  
7 from bok  
8 where utgitt <> 1954;  
9 ~  
10 /*rediger .bashrc:~
```

-/inf1300/2017-09-19.sql\* 6:1 (3,3)

LF UTF-8 SQL master 4 1 2 files



https://screencast.uninett.no/relay/ansatt/mjstanguo.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html

mjstang@austrur:~

```
mjstang=> select *
mjstang-> from bok
mjstang-> where utgitt <> 1954;
+-----+-----+-----+-----+-----+
| id | forfatter_id | tittel | utgitt | utgave | opplag |
+-----+-----+-----+-----+-----+
| 0 | 0 | Nineteen Eighty-Four | 1949 | 2 | 
| 1 | 2 | Information Modeling and Relational Databases | 2010 | 2 | 
| 2 | 0 | Animal Farm | 1945 | 1 | 
| 4 | 3 | Snømannen | 2007 | 1 | 
| 5 | 3 | Hodejegerne | 2008 | 1 | 120000
| 3 | 1 | The Hobbit | 1937 | 1 | 1500
| 8 | 1 | The Return of the King | 1955 | 1 | 
| 9 | 4 | Peer Gynt | 1867 | 1 | 
| 10 | 4 | Et dukkehjem | 1879 | 1 | 8000
| 11 | 4 | Et dukkehjem | 1880 | 2 | 3000
(10 rows)
```

mjstang=>

2017-09-19.sql — ~/inf1300 — Atom

```
File Edit View Selection Find Packages Help
2017-09-19.sql
3 -- oppgave 2
4 select * from forfatter;
5
6 select *
7 from bok
8 where utgitt != 1954;
9
10 /*rediger .bashrc:*/
```

← → ⌂ https://screencast.uninett.no/relay/ansatt/mjstanguo.no/2017/19.09/2710000/Plenum\_2017-09-19\_del2\_-20170919\_120303\_39/index.html ⌂ SMART Ink Tue Sep 19, 11:36

File Edit View Search Terminal Help mjstang@austur:~

```
11 | 4 | Et dukkehjem | 1880 | 2 | 3000
(10 rows)

mjstang=> select tittel, utgitt
mjstang-> from bok
mjstang-> where utgitt <= 1954;
tittel | utgitt
-----+-----
Nineteen Eighty-Four | 1949
Animal Farm | 1945
The Hobbit | 1937
The Fellowship of the Ring | 1954
The Two Towers | 1954
Peer Gynt | 1867
Et dukkehjem | 1879
Et dukkehjem | 1880
(8 rows)

mjstang=>
```

File Edit View Selection Find Packages Help 2017-09-19.sql -- /inf1300 -- Atom

```
2017-09-19.sql
3 -- oppgave 2
4 select * from forfatter;
5
6 select tittel, utgitt
7 from bok
8 where utgitt <= 1954;
9
10 /*rediger .bashrc:--
```

mjstang@austur:~ 2017-09-19.sql ~/inf1300~ mjstang@austur:~

21.15 45.10 NO 11:36 19.09.2017

Windows Start Internet Explorer File P R E-mail Spotify Microsoft Edge Mail 57 Spotify Microsoft Edge Mail 14.44 NOB NO 27.07.2018