

Creating A Database User Account in the Course Server


By


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Step 1: Login into the Jupyter Hub of the Course Server

Sign in

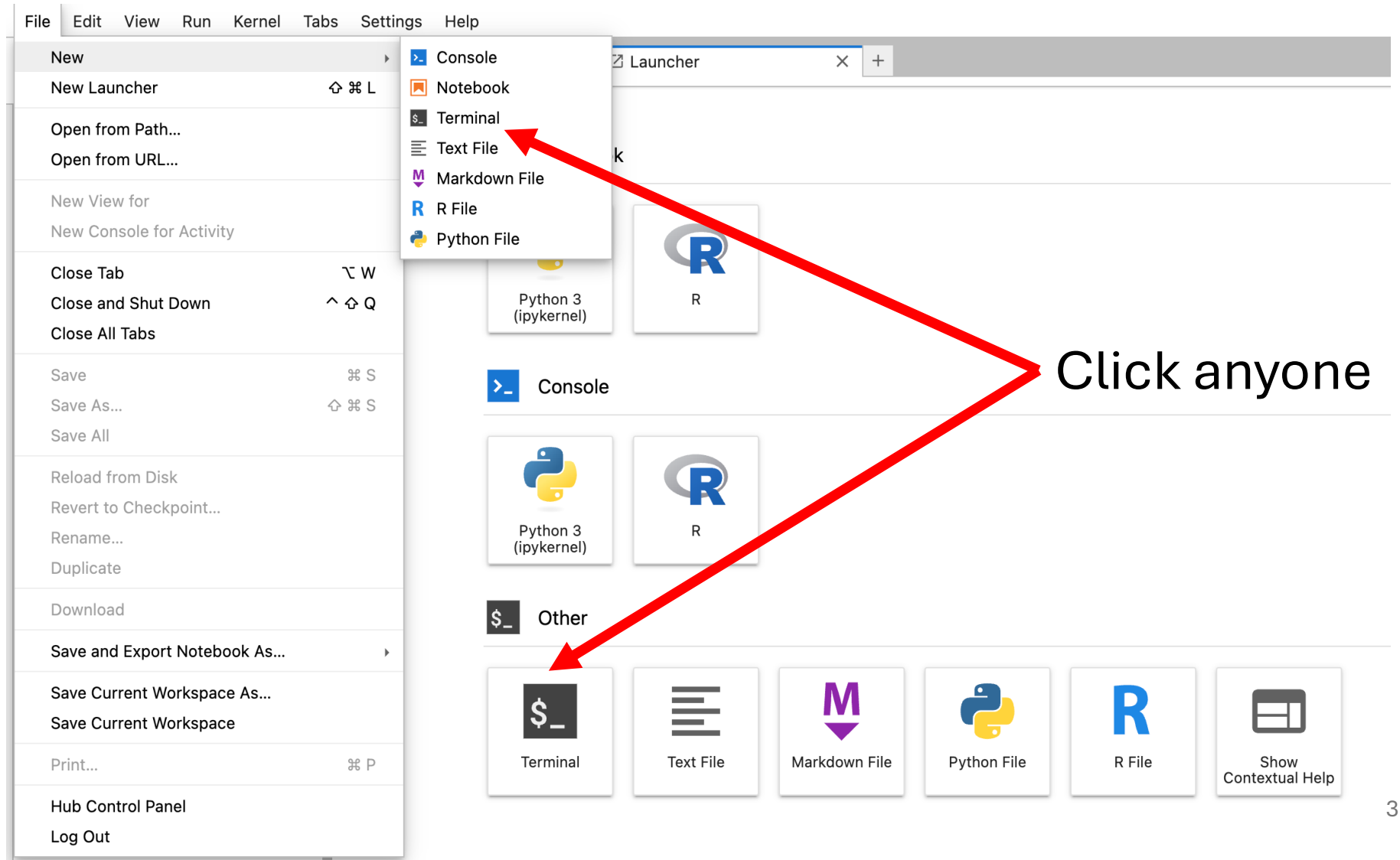
Warning: JupyterHub seems to be served over an unsecured HTTP connection. We strongly recommend enabling HTTPS for JupyterHub.

Username:
 

Password:
 

Sign in

Step 2: Open Terminal

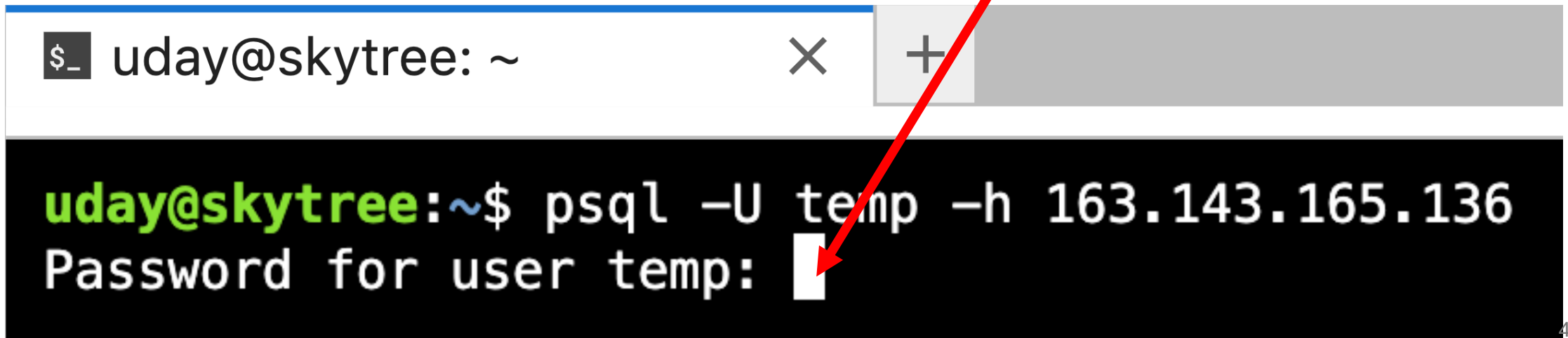


Step 3: Login into the Postgres using sudo account

Type the following command in the terminal: `psql -U temp -h 163.143.165.136`
or
`psql -U temp -h localhost`

Type the following password: temp@14916

temp@14916



A terminal window titled "uday@skytree: ~" with a close button (X) and a maximize button (+). The terminal content shows the command `psql -U temp -h 163.143.165.136` being entered. Below the command, the prompt "Password for user temp:" is displayed with a white cursor. A red arrow points from the password "temp@14916" (shown above) to the cursor in the terminal.

```
$ _ uday@skytree: ~  
  
uday@skytree:~$ psql -U temp -h 163.143.165.136  
Password for user temp: 
```

Step 4: Create your student account and database

Execute the following commands:

```
CREATE USER studentID WITH PASSWORD 'yourPassword' CREATEDB;
```

```
CREATE database studentID;
```

```
postgres=# create user s130000 with password 'yourPassword' createdb;  
CREATE ROLE  
postgres=# create database s130000;  
CREATE DATABASE
```

Step 5: Granting Permissions to the Student

Execute the following commands:

GRANT CONNECT ON DATABASE *studentID* TO *studentID*;

GRANT SELECT, INSERT, UPDATE, DELETE ON ALL TABLES IN SCHEMA *public* TO *studentID*;

\$ uday@skytree: ~

×

+

```
postgres=# GRANT CONNECT ON DATABASE s130000 TO s130000;
GRANT
postgres=# GRANT SELECT, INSERT, UPDATE, DELETE ON ALL TABLES IN SCHEMA public TO s130000;
GRANT
postgres=#
```

Step 6: Connecting to Student Database

Execute the following commands:

`\c studentID` - *Connecting to your database*

`create extension postgis`

```
postgres=# \c s130000
psql (16.3 (Ubuntu 16.3-1.pgdg22.04+1), server 13.15 (Ubuntu 13.15-1.pgdg22.04+1))
SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, compression: off)
You are now connected to database "s130000" as user "temp".
s130000=# create extension postgis;
CREATE EXTENSION
```

Step 7: Quit from the database

- Press Control + D

or

Type \q

```
s130000=#
```

```
\q
```

```
uday@skytree:~$
```


Step 8: Login into your database

Execute the following command:

```
psql -U studentID -h localhost
```



```
uday@skytree:~$ psql -U s130000 -h localhost  
Password for user s130000:
```

type your password that specified in Step 4