

Almighty @ home

Using FileZilla and Putty

Install

- Install FileZilla
- Install Putty

Generate a programm

You can use any text editor on your computer, save the file with ending „.C“ !!

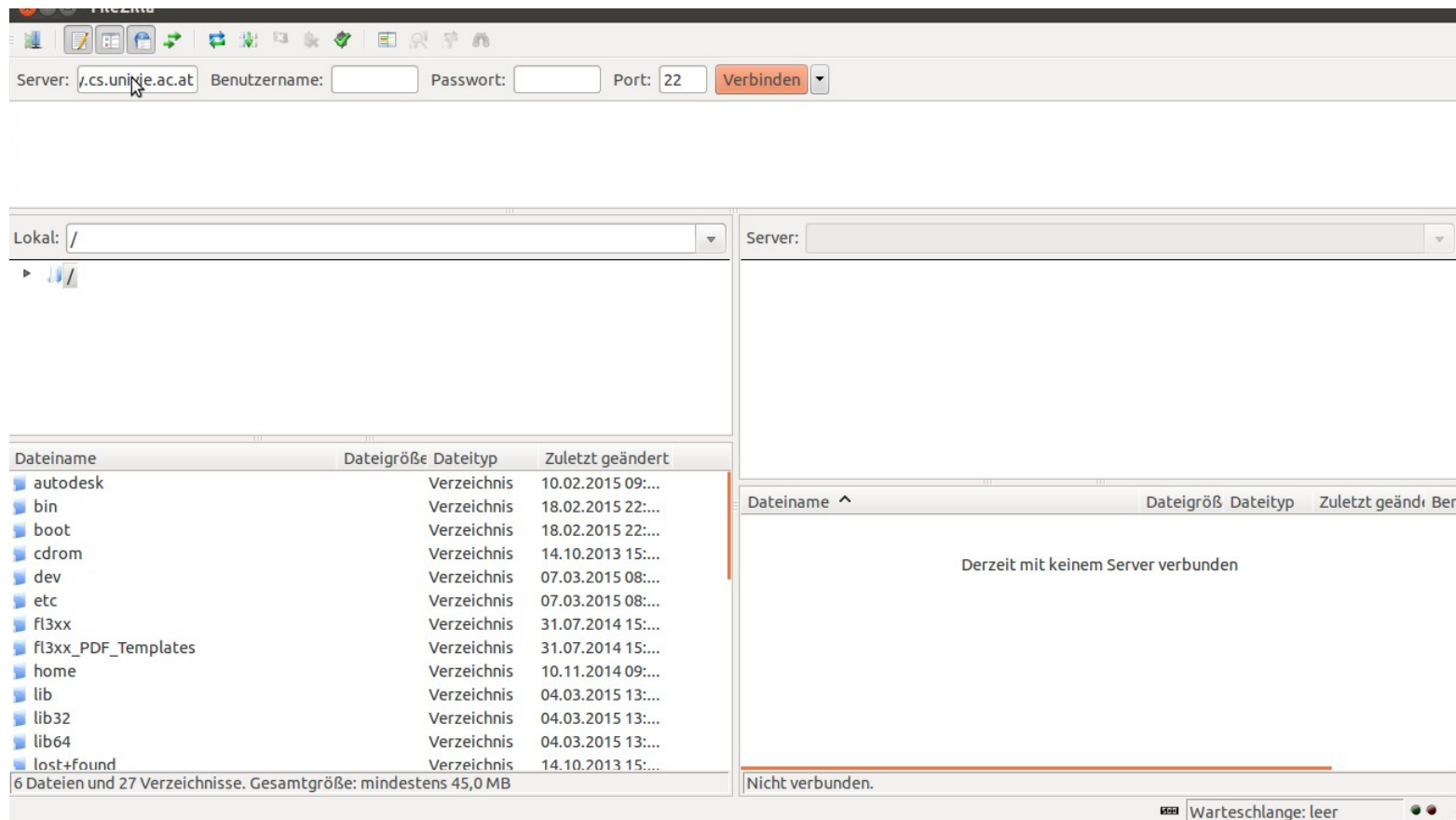
Save on YOUR computer under e.g.
Dokumente/Uni/1_Semester/PRG/helloWorld.C

A screenshot of a gedit text editor window. The title bar shows the file path: ~/Dokumente/UNI/1_Semester/PRG) - gedit. The menu bar includes 'Öffnen', 'Speichern', and 'Rückgängig'. The toolbar contains icons for opening, saving, undo, redo, cut, copy, paste, search, and zoom. The editor window shows a C++ program with the following code:

```
1 #include <iostream>
2 using namespace std;
3
4 int main(){
5
6     cout << "Hello word1" << endl;
7
8
9     return 0;
10 }
```

FileZilla (1)

Start FileZilla



FileZilla (2)

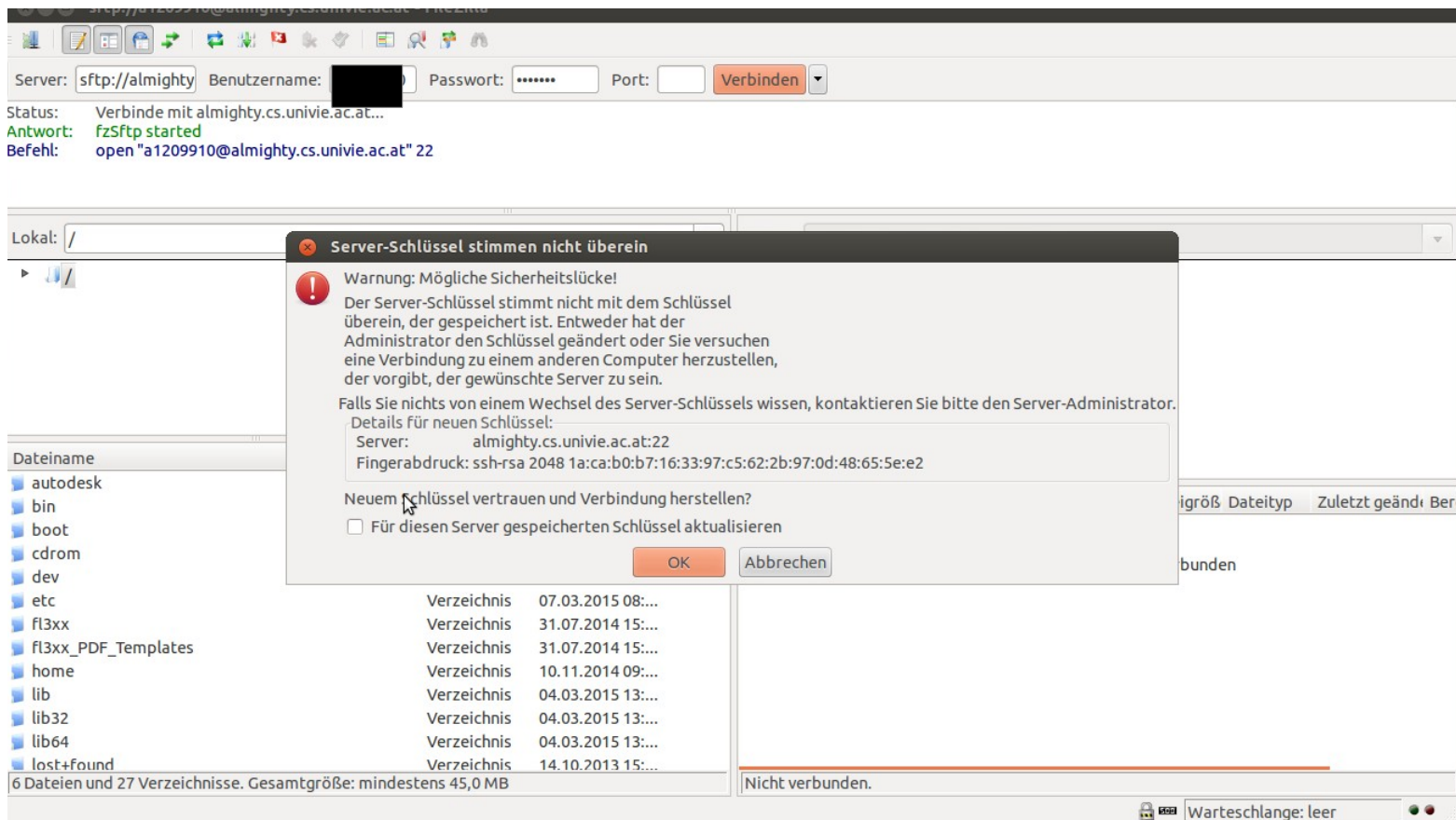
- Enter login data:

Server:	almighty.cs.univie.ac.at
Benutzername:	username from univis/cewebs
Password:	password from univis/cewebs
Port:	22

- Click „Verbinden“
- Click „OK“ in the pop-Up
- If another Pop-Up appears you are asked for the password of YOUR home computer!

FileZilla (3)

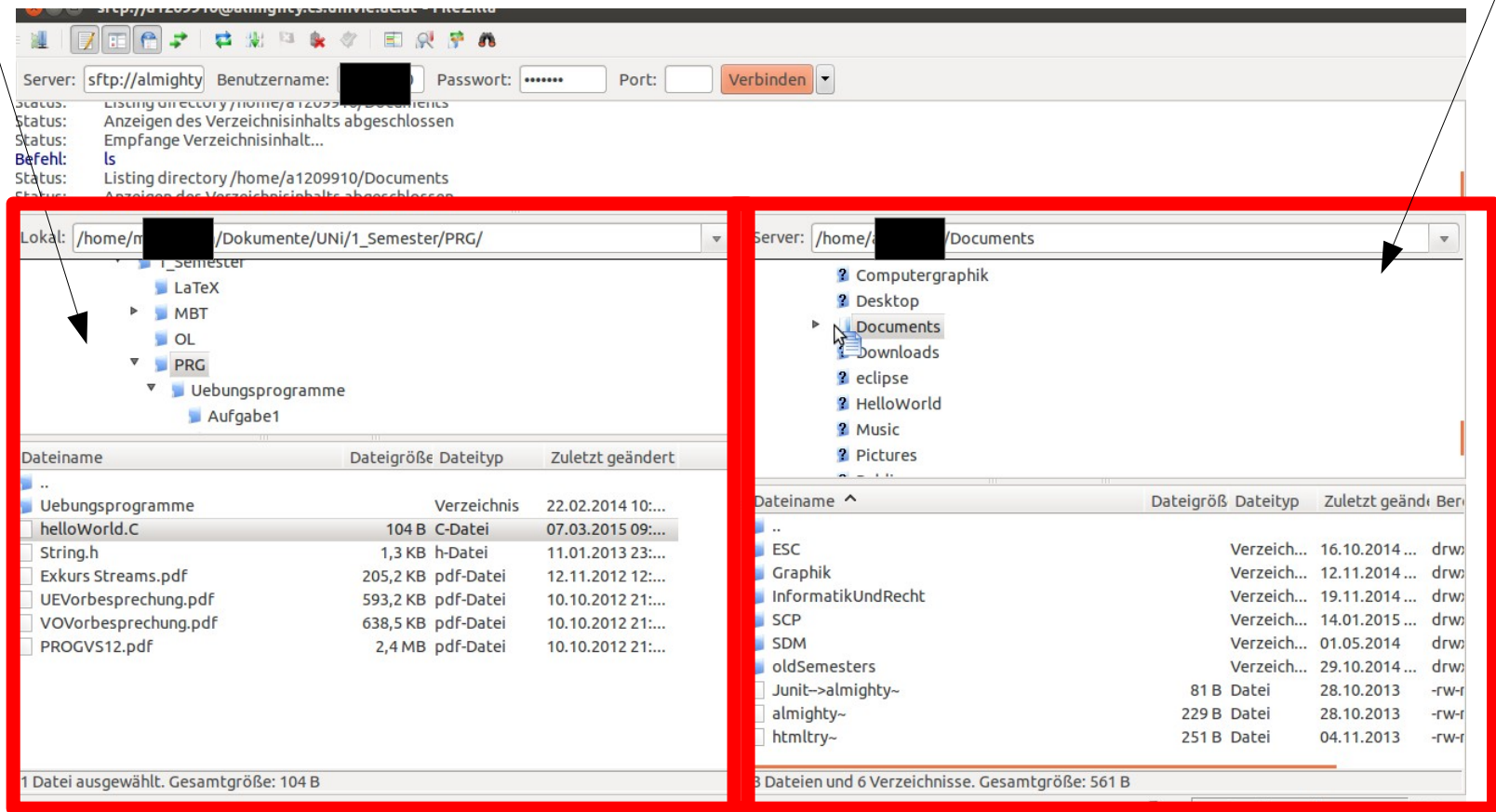
It should look like this now



FileZilla (4)

The left side shows the file structure of your home computer

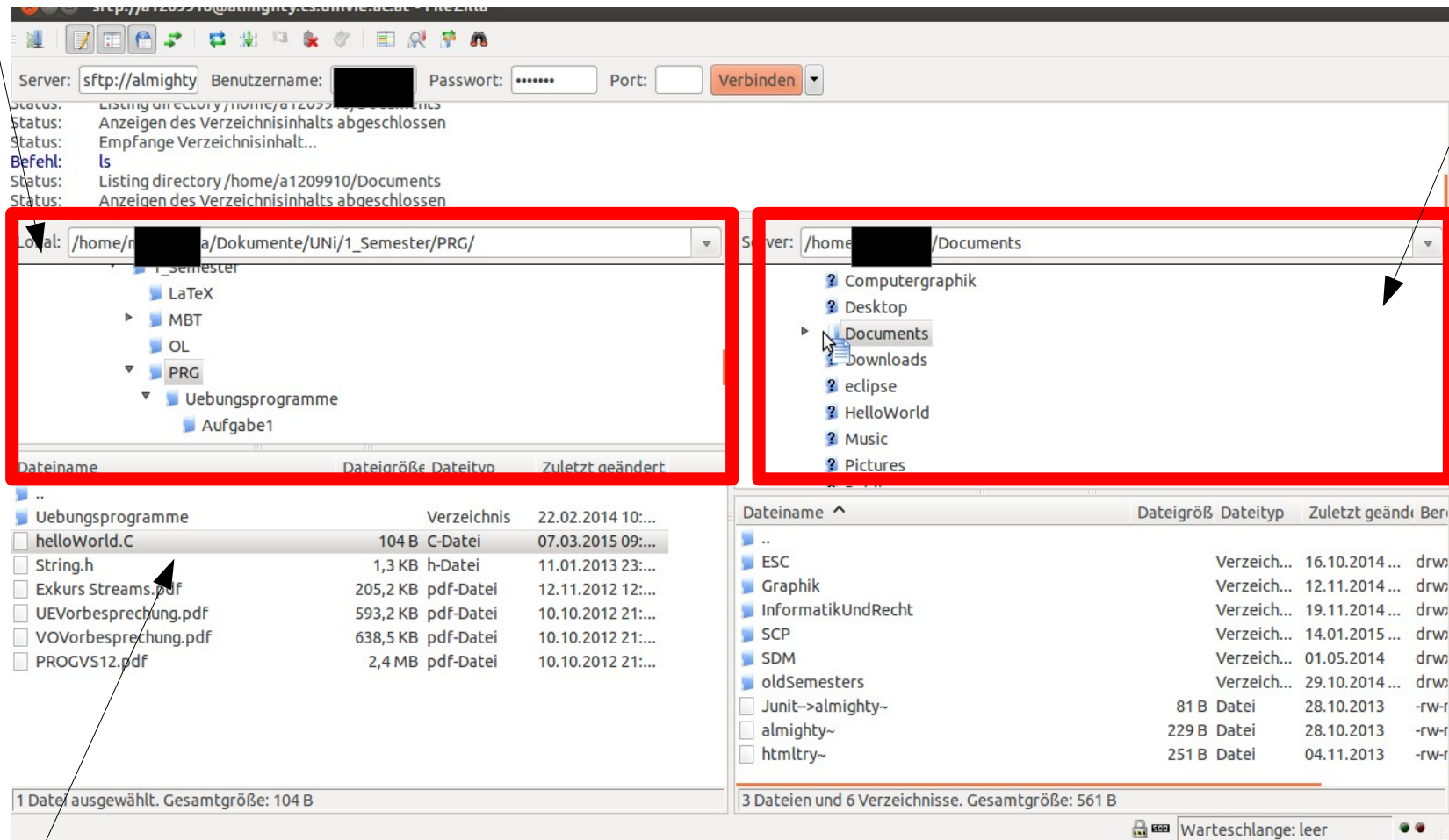
The right side shows the file structure of your almighty account



FileZilla (5)

Navigate to the file on your Computer

Navigate at almighty where you want to save it, e.g. Documents



Your program should be there now

FileZilla (6)

Drag and drop the file to almighty

Server: sftp://almighty Benutzername: Passwort: Port: Verbinden

Status: Listing directory /home/a1209910/Documents
Status: Anzeigen des Verzeichnisinhalts abgeschlossen
Status: Empfangen Verzeichnisinhalt...
Befehl: ls
Status: Listing directory /home/a1209910/Documents
Status: Anzeigen des Verzeichnisinhalts abgeschlossen

Lokal: /home/ /Dokumente/UNI/1_Semester/PRG/

- 1_Semester
 - LaTeX
 - MBT
 - OL
 - PRG
 - Uebungsprogramme
 - Aufgabe1

Dateiname	Dateigröße	Dateityp	Zuletzt geändert
..			
Uebungsprogramme		Verzeichnis	22.02.2014 10:...
helloWorld.C	104 B	C-Datei	07.03.2015 09:...
String.h	1,3 KB	h-Datei	11.01.2013 23:...
Exkurs Streams.pdf	205,2 KB	pdf-Datei	12.11.2012 12:...
UEVorbesprechung.pdf	593,2 KB	pdf-Datei	10.10.2012 21:...
VOVorbesprechung.pdf	638,5 KB	pdf-Datei	10.10.2012 21:...
PROGV512.pdf	2,4 MB	pdf-Datei	10.10.2012 21:...

1 Datei ausgewählt. Gesamtgröße: 104 B

Server: /home/ /Documents

- Computergraphik
- Desktop
- Documents
- Downloads
- eclipse
- HelloWorld
- Music
- Pictures

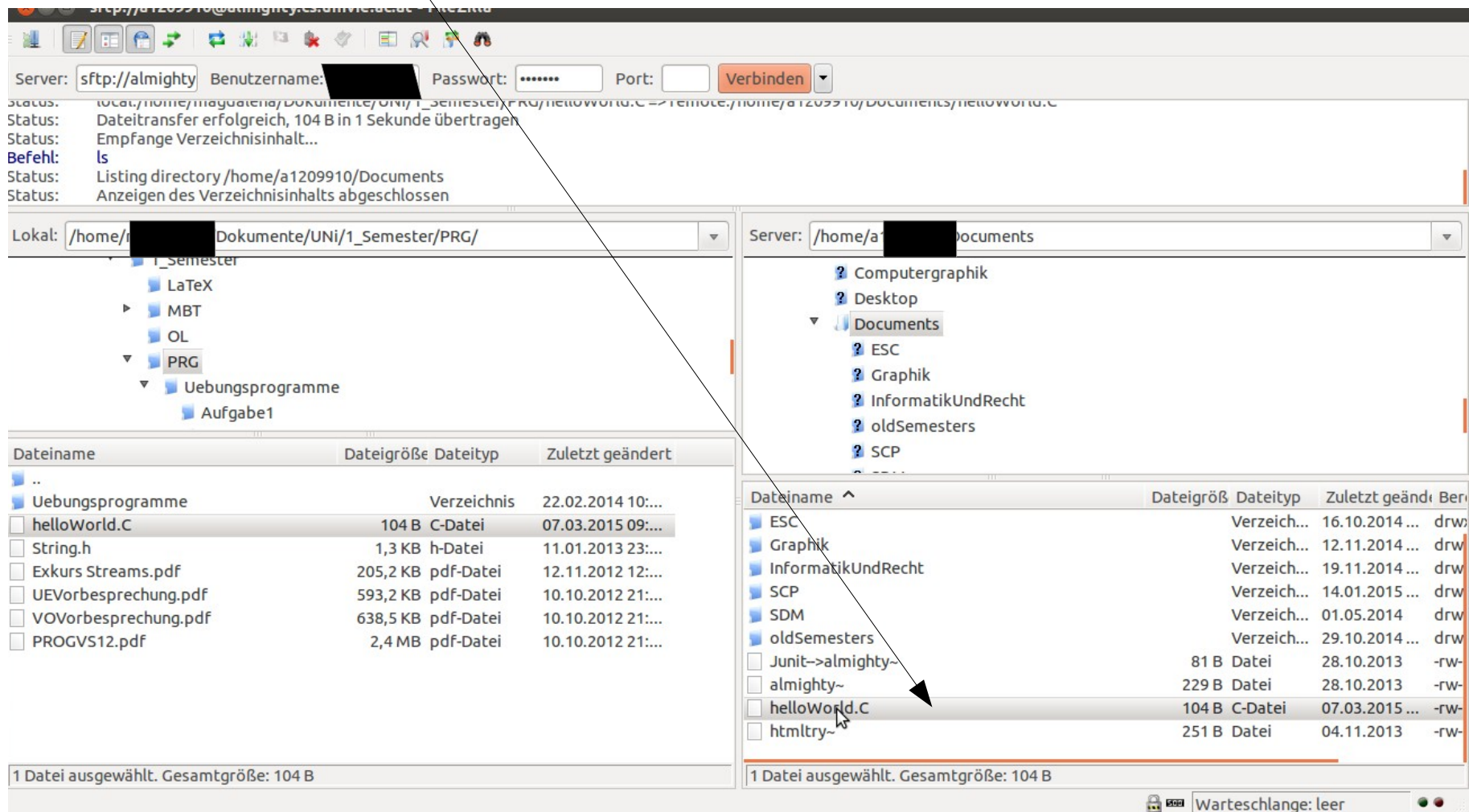
Dateiname	Dateigröße	Dateityp	Zuletzt geändert	Berechtigungen
..				
ESC		Verzeich...	16.10.2014 ...	drwx
Graphik		Verzeich...	12.11.2014 ...	drwx
InformatikUndRecht		Verzeich...	19.11.2014 ...	drwx
SCP		Verzeich...	14.01.2015 ...	drwx
SDM		Verzeich...	01.05.2014	drwx
oldSemesters		Verzeich...	29.10.2014 ...	drwx
JUnit->almighty~	81 B	Datei	28.10.2013	-rw-r
almighty~	229 B	Datei	28.10.2013	-rw-r
htmltry~	251 B	Datei	04.11.2013	-rw-r

3 Dateien und 6 Verzeichnisse. Gesamtgröße: 561 B

Warteschlange: leer

FileZilla (7)

Your program should be also at almighty now



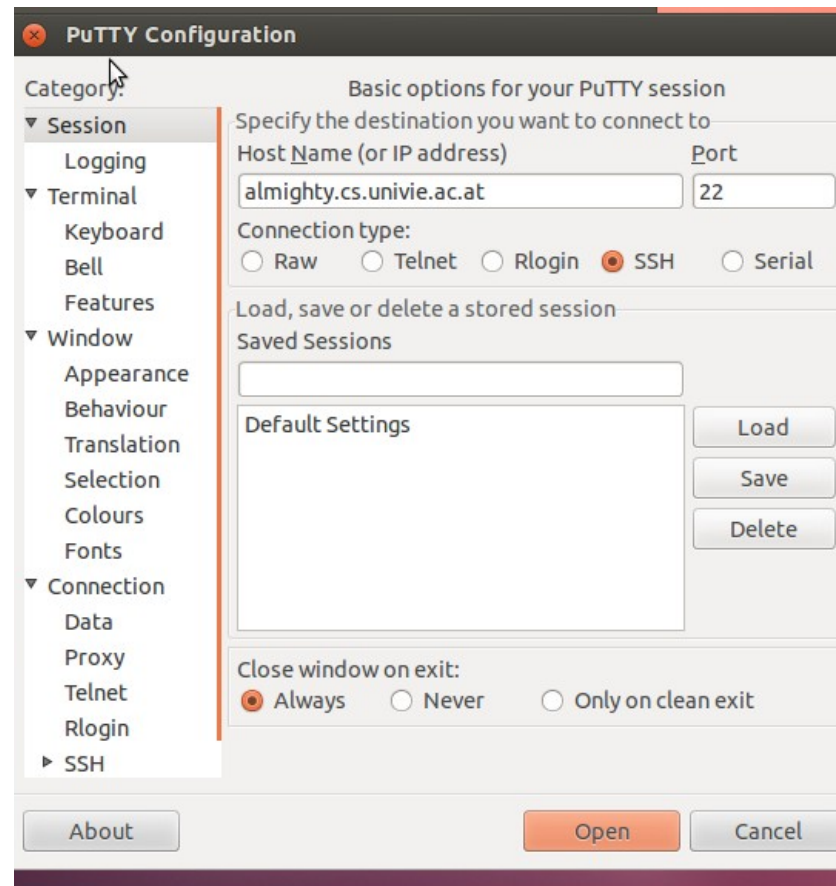
Putty (1)

Now start Putty

Again enter

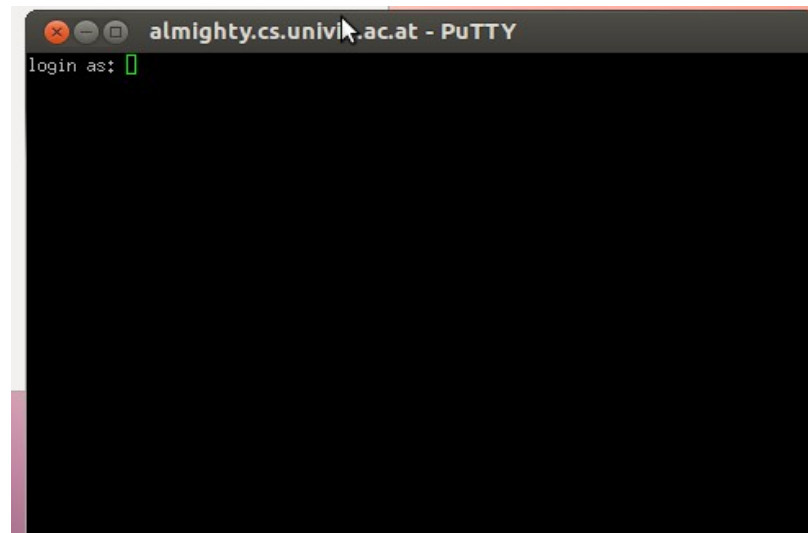
Host Name:
almighty.cs.univie.ac.at
Port:
22

Click Open



Putty (2)

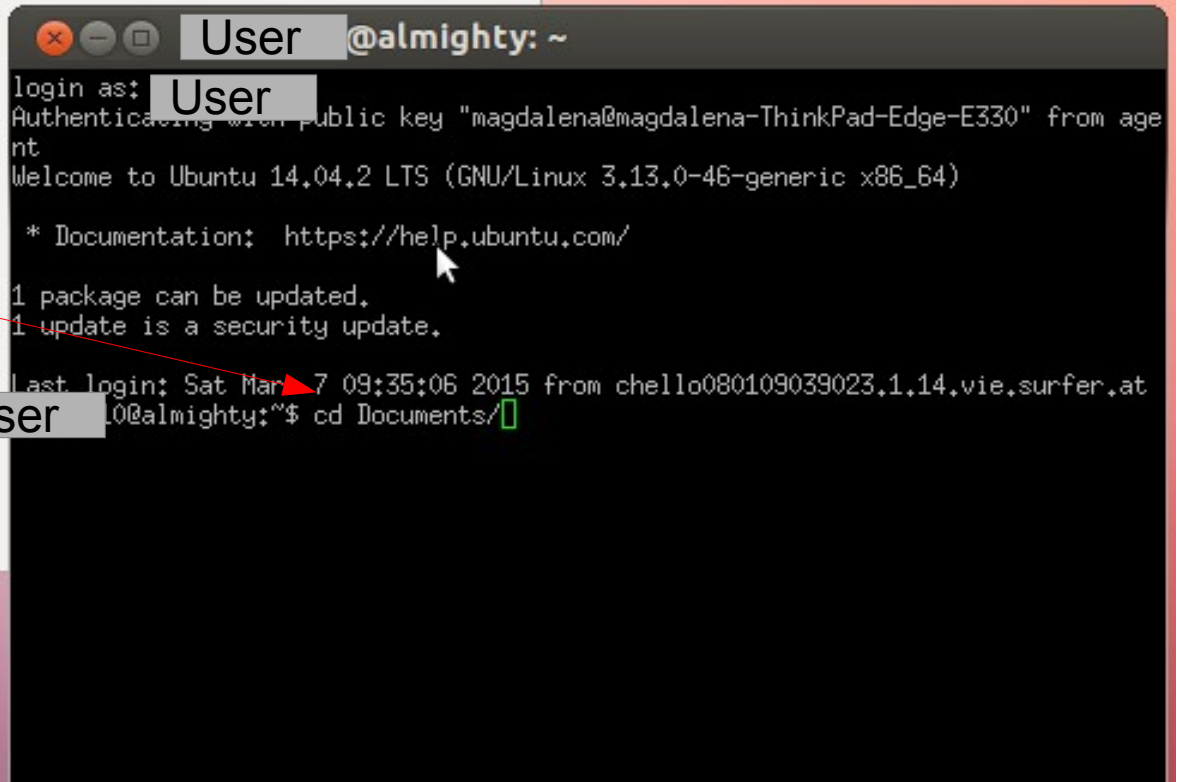
Login with your
univis/cewebs account
as before



Putty (3)

Change directory to Documents
(because we saved the file there!)

Type: `cd Documents`

A terminal window titled 'User @almighty: ~' showing the login process for 'User'. It displays the Ubuntu 14.04.2 LTS welcome message, system updates, and the command 'cd Documents' being entered at the prompt. A red arrow points from the text 'Type: cd Documents' to the command in the terminal.

```
User @almighty: ~
login as: User
Authenticating with public key "magdalena@magdalena-ThinkPad-Edge-E330" from age
nt
Welcome to Ubuntu 14.04.2 LTS (GNU/Linux 3.13.0-46-generic x86_64)

 * Documentation:  https://help.ubuntu.com/

1 package can be updated.
1 update is a security update.

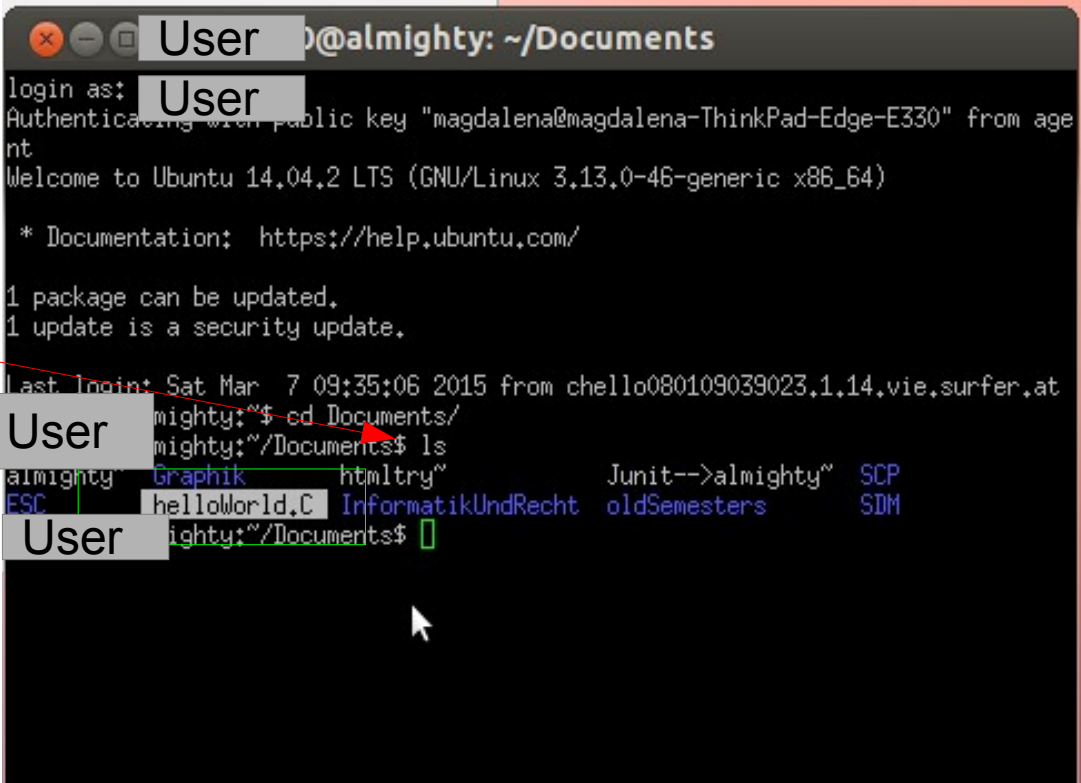
Last login: Sat Mar 7 09:35:06 2015 from chello080109039023.1.14.vie.surfer.at
User @almighty:~$ cd Documents/
```

Putty (4)

Type ls to check if the file is there

If it is not there, check in FileZilla
Where you really saved the file

It should be dropped to Documents
In this example



```
User@almighty: ~/Documents
login as: User
Authenticating with public key "magdalena@magdalena-ThinkPad-Edge-E330" from age
nt
Welcome to Ubuntu 14.04.2 LTS (GNU/Linux 3.13.0-46-generic x86_64)

* Documentation:  https://help.ubuntu.com/

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1 update is a security update.

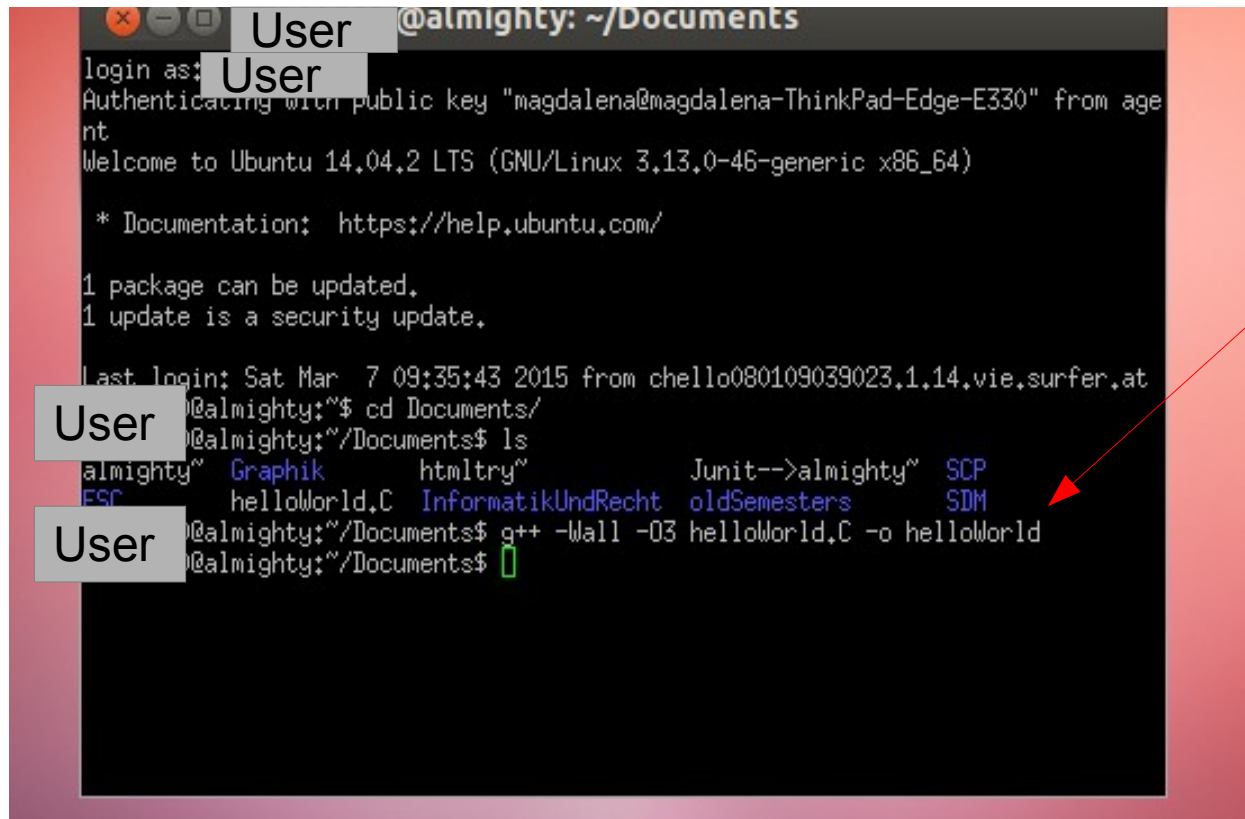
Last login: Sat Mar  7 09:35:06 2015 from chello080109039023.1.14.vie.surfer.at
User@almighty:~$ cd Documents/
User@almighty:~/Documents$ ls
almighty  Graphik      htmltry~    Junit-->almighty~  SCP
ESC      helloWorld.C InformatikUndRecht oldSemesters      SDM
User@almighty:~/Documents$
```

Putty (5)

Compile your prgroamm

Type:

`g++ -Wall -O3 helloWorld.C -o helloworld`



A screenshot of a terminal window titled "User @almighty: ~/Documents". The terminal shows the login process for "User" on Ubuntu 14.04.2 LTS. After the login, the user enters the command `cd Documents/`, followed by `ls` which lists files including `helloWorld.C`. The user then enters the compilation command `g++ -Wall -O3 helloWorld.C -o helloworld`. A red arrow points from the command text above to the terminal output. There are three "User" labels overlaid on the terminal: one on the login name, one on the prompt before the `ls` command, and one on the prompt before the compilation command.

```
User @almighty: ~/Documents
login as: User
Authenticating with public key "magdalena@magdalena-ThinkPad-Edge-E330" from age
nt
Welcome to Ubuntu 14.04.2 LTS (GNU/Linux 3.13.0-46-generic x86_64)

 * Documentation:  https://help.ubuntu.com/

1 package can be updated.
1 update is a security update.

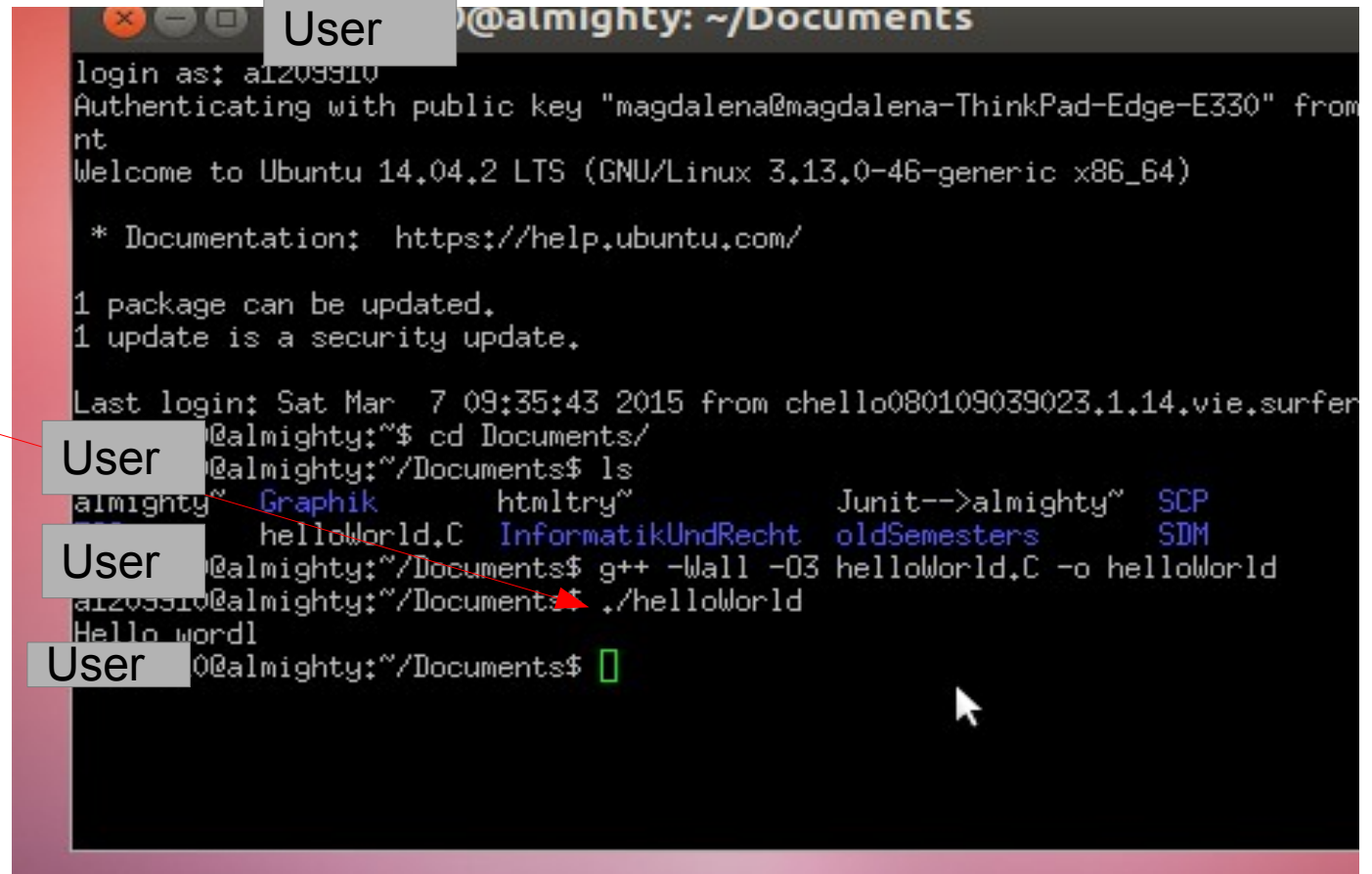
Last login: Sat Mar  7 09:35:43 2015 from chello080109039023.1.14.vie.surfer.at
User @almighty:~$ cd Documents/
User @almighty:~/Documents$ ls
almighty~ Graphik      htmltry~      Junit-->almighty~ SCP
ESC      helloWorld.C  InformatikUndRecht  oldSemesters  SDM
User @almighty:~/Documents$ g++ -Wall -O3 helloWorld.C -o helloworld
User @almighty:~/Documents$
```


Putty (6)

Run your programm

Type:

./helloWorld



```
login as: al209910
Authenticating with public key "magdalena@magdalena-ThinkPad-Edge-E330" from
nt
Welcome to Ubuntu 14.04.2 LTS (GNU/Linux 3.13.0-46-generic x86_64)

 * Documentation:  https://help.ubuntu.com/

1 package can be updated.
1 update is a security update.

Last login: Sat Mar  7 09:35:43 2015 from chello080109039023.1.14.vie.surfer
User@almighty: ~/Documents
almighty~$ cd Documents/
User@almighty: ~/Documents$ ls
almighty~$ Graphik      htmltry~          Junit-->almighty~$ SCP
User@almighty: ~/Documents$ g++ -Wall -O3 helloWorld.C -o helloWorld
almighty~$ ./helloWorld
Hello wordl
User@almighty: ~/Documents$
```