

Assignment 1

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Due: 10/1/2018

SERVER & CLIENT SCREEN SHOT

```
jojo95mengjiao@cs-5700-1: ~/hw1 - Google Chrome
https://ssh.cloud.google.com/projects/intense-runner-216901/zones/us-west1-b/instances/cs-5700-...
jojo95mengjiao@cs-5700-1:~/hw1$ ls
file:
jojo95mengjiao@cs-5700-1:~/hw1$ rm file:
rm: cannot remove 'file:': Is a directory
jojo95mengjiao@cs-5700-1:~/hw1$ cd file:
-bash: cd: file:: No such file or directory
jojo95mengjiao@cs-5700-1:~/hw1$ cd file:
jojo95mengjiao@cs-5700-1:~/hw1/file$ ls
calculatorServer.py
jojo95mengjiao@cs-5700-1:~/hw1/file$ rm -rf file:
jojo95mengjiao@cs-5700-1:~/hw1/file$ ls
calculatorServer.py
jojo95mengjiao@cs-5700-1:~/hw1/file$ cd -
/home/jojo95mengjiao/hw1
jojo95mengjiao@cs-5700-1:~/hw1$ ls
file:
jojo95mengjiao@cs-5700-1:~/hw1$ rm -rf file:
jojo95mengjiao@cs-5700-1:~/hw1$ ls
jojo95mengjiao@cs-5700-1:~/hw1$ cd -
-bash: cd: /home/jojo95mengjiao/hw1/file: No such file or directory
jojo95mengjiao@cs-5700-1:~/hw1$ cd--
-bash: cd--: command not found
jojo95mengjiao@cs-5700-1:~/hw1$ cd --
Copying gs://bucket-5700-joy-wu/calculatorServer.py...
/ [1 files] [ 3.9 KiB/ 3.9 KiB]
Operation completed over 1 objects/3.9 KiB.
jojo95mengjiao@cs-5700-1:~$ ls
hw1
jojo95mengjiao@cs-5700-1:~$ cd hw1
jojo95mengjiao@cs-5700-1:~/hw1$ ls
calculatorServer.py
jojo95mengjiao@cs-5700-1:~/hw1$ python3 calculatorServer.py

Server on 10.138.0.2 port 8181 started. Waiting for connection...

^[[A
adafd

Server connected by ('10.138.0.3', 48794) at Sat Sep 29 03:17:39 2018

A handler started working...

number of problems: 4
Server is calculating the problems ...

Answers: [4, 8343, 36, 8343]

Outbytes is: b'\x00\x04\x00\x014\x00\x048343\x00\x0236\x00\x048343'

jojo95mengjiao@cs-5700-2:~/hw1 - Google Chrome
https://ssh.cloud.google.com/projects/intense-runner-216901/zones/us-west1-b/instances/cs-5700-...
associated file /usr/share/man/ru/man1/vim.1.gz (of link group vi) doesn't exist...
update-alternatives: warning: skip creation of /usr/share/man/ja/man1/vi.1.gz because a
associated file /usr/share/man/ja/man1/vi.1.gz (of link group vi) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/man1/vi.1.gz because asso
ciated file /usr/share/man/man1/vim.1.gz (of link group vi) doesn't exist
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/view (view) in auto m
ode
update-alternatives: warning: skip creation of /usr/share/man/fr/man1/view.1.gz because
associated file /usr/share/man/fr/man1/vim.1.gz (of link group view) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/it/man1/view.1.gz because
associated file /usr/share/man/it/man1/vim.1.gz (of link group view) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/pl/man1/view.1.gz because
associated file /usr/share/man/pl/man1/vim.1.gz (of link group view) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/ru/man1/view.1.gz because
associated file /usr/share/man/ru/man1/vim.1.gz (of link group view) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/ja/man1/view.1.gz because
associated file /usr/share/man/ja/man1/vim.1.gz (of link group view) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/man1/view.1.gz because as
sociated file /usr/share/man/man1/vim.1.gz (of link group view) doesn't exist
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/cx (cx) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/fr/man1/ex.1.gz because a
associated file /usr/share/man/fr/man1/vim.1.gz (of link group ex) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/it/man1/cx.1.gz because a
associated file /usr/share/man/it/man1/vim.1.gz (of link group ex) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/pl/man1/ex.1.gz because a
associated file /usr/share/man/pl/man1/vim.1.gz (of link group ex) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/ru/man1/ex.1.gz because a
associated file /usr/share/man/ru/man1/vim.1.gz (of link group ex) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/ja/man1/cx.1.gz because a
associated file /usr/share/man/ja/man1/vim.1.gz (of link group ex) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/man1/ex.1.gz because asso
ciated file /usr/share/man/man1/vim.1.gz (of link group ex) doesn't exist
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/editor (editor) in au
to mode
update-alternatives: warning: skip creation of /usr/share/man/fr/man1/editor.1.gz becau
se associated file /usr/share/man/fr/man1/vim.1.gz (of link group editor) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/it/man1/editor.1.gz becau
se associated file /usr/share/man/it/man1/vim.1.gz (of link group editor) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/pl/man1/editor.1.gz becau
se associated file /usr/share/man/pl/man1/vim.1.gz (of link group editor) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/ru/man1/editor.1.gz becau
se associated file /usr/share/man/ru/man1/vim.1.gz (of link group editor) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/ja/man1/editor.1.gz becau
se associated file /usr/share/man/ja/man1/vim.1.gz (of link group editor) doesn't exist
update-alternatives: warning: skip creation of /usr/share/man/man1/editor.1.gz becau
se associated file /usr/share/man/man1/vim.1.gz (of link group editor) doesn't exist
Processing triggers for libc-bin (2.23-0ubuntu10) ...
jojo95mengjiao@cs-5700-2:~/hw1$ ls
calculatorClient.py
jojo95mengjiao@cs-5700-2:~/hw1$ vim calculatorClient.py
jojo95mengjiao@cs-5700-2:~/hw1$ python3 calculatorClient.py
Connected to server 10.138.0.2 : 8181
Here are your answers: ['4', '8343', '36', '8343']
jojo95mengjiao@cs-5700-2:~/hw1$
```

IP INFORMATION

cs-5700-1 contains the server 10.138.0.2

cs-5700-2 contains the client

VM instances

+

CREATE INSTANCE

▼

↓

IMPORT VM

↺

REFRESH

☰

Filter VM instances

?

Columns ▼

<input type="checkbox"/>	Name ^	Zone	Recommendation	Internal IP	External IP	Connect
<input checked="" type="checkbox"/>	✓ cs-5700-1	us-west1-b		10.138.0.2 (nic0)	35.233.141.226	SSH ▼
<input checked="" type="checkbox"/>	✓ cs-5700-2	us-west1-b		10.138.0.3 (nic0)	35.233.205.150	SSH ▼

GITHUB INFO

<https://github.com/joyinmyzone/CS5700-NTWK>