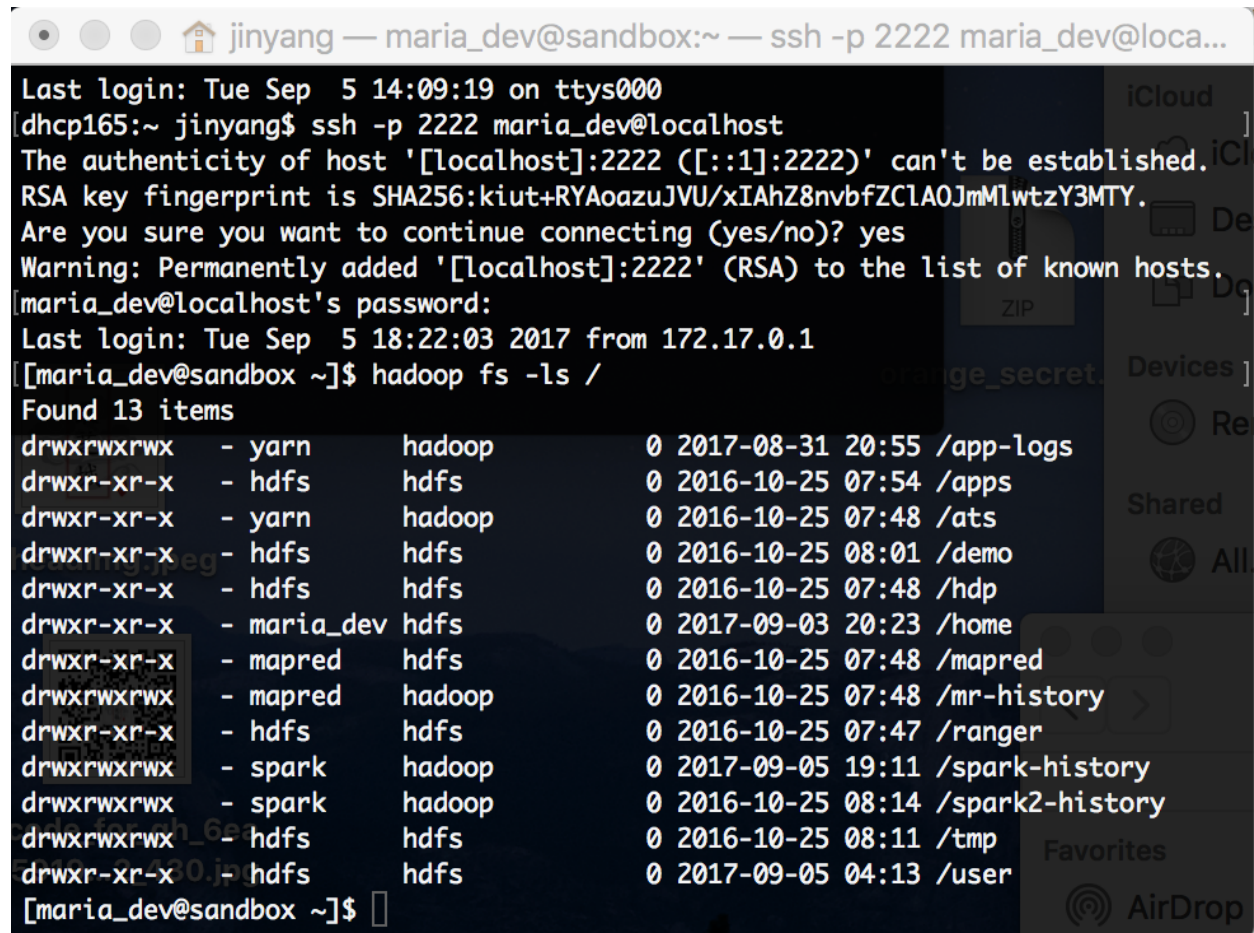


10.(1 point) Execute the following hdfs command and take a screen snapshot of the names of the files or directories that are listed (also indicating which is a file and which a directory):

```
hadoop fs -ls /
```

They all are directory since fs -ls return them with 7 columns of stats

A terminal window titled 'jinyang — maria_dev@sandbox:~ — ssh -p 2222 maria_dev@loca...'. The terminal shows the following sequence of commands and output:
1. 'Last login: Tue Sep 5 14:09:19 on ttys000'
2. '[dhcp165:~ jinyang\$ ssh -p 2222 maria_dev@localhost'
3. Authentication messages: 'The authenticity of host '[localhost]:2222 (:::1):2222)' can't be established. RSA key fingerprint is SHA256:kiut+RYAoazuJVU/xIAhZ8nvbfZC1A0JmM1wtzY3MTY. Are you sure you want to continue connecting (yes/no)? yes' and 'Warning: Permanently added '[localhost]:2222' (RSA) to the list of known hosts.'
4. Password prompt: '[maria_dev@localhost's password:'
5. Last login message: 'Last login: Tue Sep 5 18:22:03 2017 from 172.17.0.1'
6. Command execution: '[maria_dev@sandbox ~]\$ hadoop fs -ls /'
7. Output: 'Found 13 items'
8. A table of 13 items with 7 columns: permissions, link, user, group, size, time, and path.

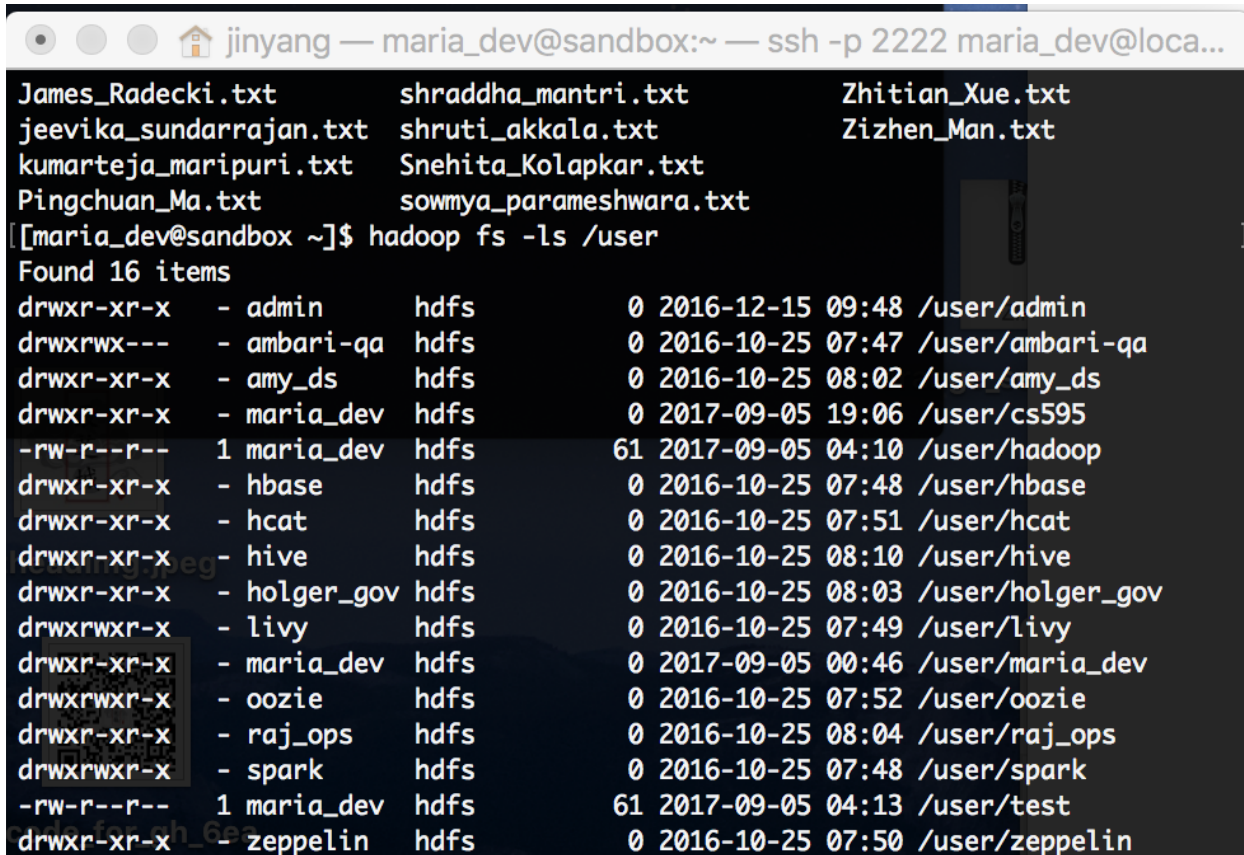
permissions	link	user	group	size	time	path
drwxrwxrwx	-	yarn	hadoop	0	2017-08-31 20:55	/app-logs
drwxr-xr-x	-	hdfs	hdfs	0	2016-10-25 07:54	/apps
drwxr-xr-x	-	yarn	hadoop	0	2016-10-25 07:48	/ats
drwxr-xr-x	-	hdfs	hdfs	0	2016-10-25 08:01	/demo
drwxr-xr-x	-	hdfs	hdfs	0	2016-10-25 07:48	/hdp
drwxr-xr-x	-	maria_dev	hdfs	0	2017-09-03 20:23	/home
drwxr-xr-x	-	mapred	hdfs	0	2016-10-25 07:48	/mapred
drwxrwxrwx	-	mapred	hadoop	0	2016-10-25 07:48	/mr-history
drwxr-xr-x	-	hdfs	hdfs	0	2016-10-25 07:47	/ranger
drwxrwxrwx	-	spark	hadoop	0	2017-09-05 19:11	/spark-history
drwxrwxrwx	-	spark	hadoop	0	2016-10-25 08:14	/spark2-history
drwxrwxrwx	-	hdfs	hdfs	0	2016-10-25 08:11	/tmp
drwxr-xr-x	-	hdfs	hdfs	0	2017-09-05 04:13	/user

9. Prompt: '[maria_dev@sandbox ~]\$ '

11.(1 point) Execute a command (you needed to figure out which one) to list the files and subdirectories under the hdfs directory listed below:

/user

Write down the command you executed and also take a screen snapshot of names of the files or directories that are listed.

A terminal window titled 'jinyang — maria_dev@sandbox:~ — ssh -p 2222 maria_dev@loca...' displays the output of the command 'hadoop fs -ls /user'. The output lists 16 items in the HDFS directory /user, including directories like admin, ambari-qa, amy_ds, maria_dev, hbase, hcat, hive, holger_gov, livy, maria_dev, oozie, raj_ops, spark, and zeppelin, as well as files like hadoop and test. Each entry shows permissions, owner, group, size, modification time, and path. Above the command output, several .txt files are listed in three columns: James_Radecki.txt, shraddha_mantri.txt, Zhitian_Xue.txt, jeevika_sundarrajan.txt, shruti_akkala.txt, Zizhen_Man.txt, kumarteja_maripuri.txt, Snehita_Kolapkar.txt, Pingchuan_Ma.txt, and sowmya_parameshwara.txt.

```
James_Radecki.txt      shraddha_mantri.txt    Zhitian_Xue.txt
jeevika_sundarrajan.txt shruti_akkala.txt      Zizhen_Man.txt
kumarteja_maripuri.txt Snehita_Kolapkar.txt
Pingchuan_Ma.txt       sowmya_parameshwara.txt

[maria_dev@sandbox ~]$ hadoop fs -ls /user
Found 16 items
drwxr-xr-x  - admin      hdfs      0 2016-12-15 09:48 /user/admin
drwxrwx---  - ambari-qa  hdfs      0 2016-10-25 07:47 /user/ambari-qa
drwxr-xr-x  - amy_ds    hdfs      0 2016-10-25 08:02 /user/amy_ds
drwxr-xr-x  - maria_dev  hdfs      0 2017-09-05 19:06 /user/cs595
-rw-r--r--  1 maria_dev  hdfs     61 2017-09-05 04:10 /user/hadoop
drwxr-xr-x  - hbase     hdfs      0 2016-10-25 07:48 /user/hbase
drwxr-xr-x  - hcat      hdfs      0 2016-10-25 07:51 /user/hcat
drwxr-xr-x  - hive      hdfs      0 2016-10-25 08:10 /user/hive
drwxr-xr-x  - holger_gov hdfs      0 2016-10-25 08:03 /user/holger_gov
drwxrwxr-x  - livy      hdfs      0 2016-10-25 07:49 /user/livy
drwxr-xr-x  - maria_dev  hdfs      0 2017-09-05 00:46 /user/maria_dev
drwxrwxr-x  - oozie     hdfs      0 2016-10-25 07:52 /user/oozie
drwxr-xr-x  - raj_ops   hdfs      0 2016-10-25 08:04 /user/raj_ops
drwxrwxr-x  - spark     hdfs      0 2016-10-25 07:48 /user/spark
-rw-r--r--  1 maria_dev  hdfs     61 2017-09-05 04:13 /user/test
drwxr-xr-x  - zeppelin  hdfs      0 2016-10-25 07:50 /user/zeppelin
```

hadoop fs -ls /user

12. (2 points) Execute a command to create the following directory:

/user/cs595/<yournamenospaces>

Note: I created the hdfs directory “/user/cs595” for you already.

hadoop fs -mkdir /user/cs595/JinyangLi

13.(2 points) Execute a command that copies a given local file (that I already created for you) to the given hdfs directory :

Local file: /home/maria_dev/cs595doc.txt

HDFS directory: /user/cs595/<yournamenospaces>

Write down the command you executed.

```
hadoop fs -put /home/maria_dev/cs595doc.txt /user/cs595/  
JinyangLi
```

14.(2 points) Copy the given file from one hdfs directory to another hdfs directory and write down the command

Source hdfs file: /user/cs595/cs595doc2.txt

Note, I created this file for you already

Destination HDFS directory: /user/cs595/<yournamenospaces>

Write down the command you executed.

```
hadoop fs -cp /user/cs595/cs595doc2.txt /user/cs595/JinyangLi
```

15.

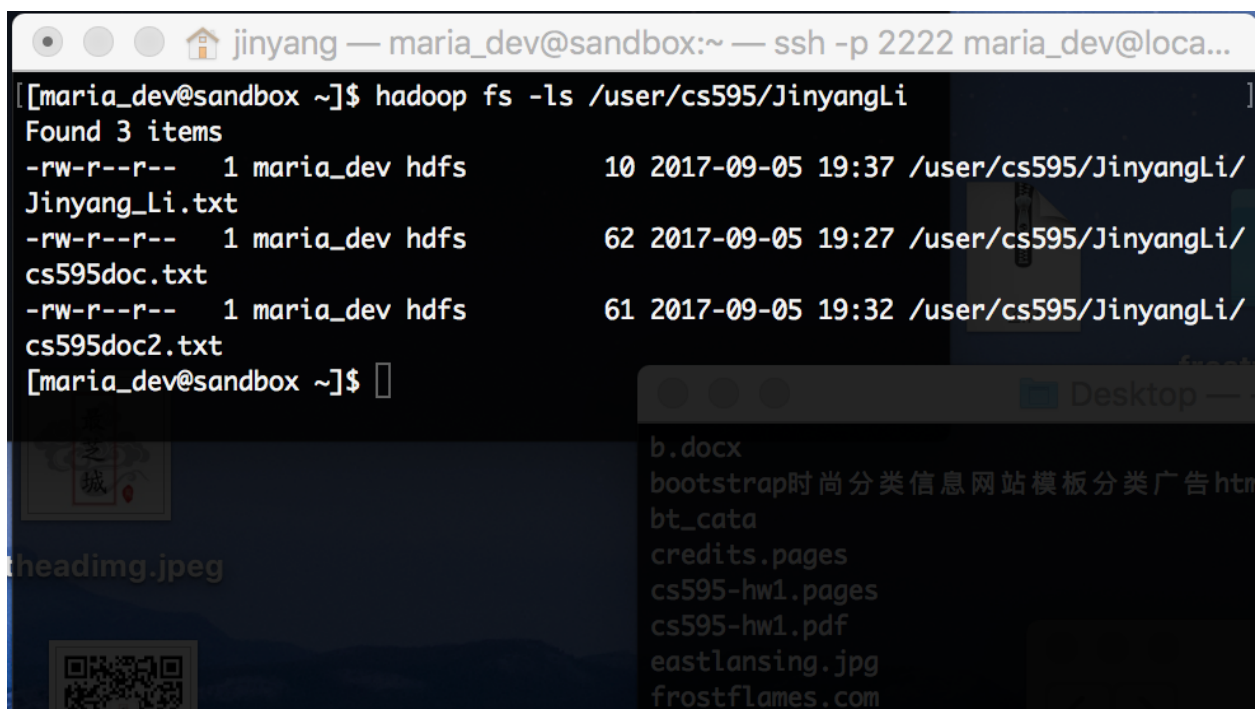
//in bash

```
scp -P 2222 Jinyang_Li.txt maria_dev@localhost:/home/maria_dev
```

//in ssh

```
hadoop fs -put /home/maria_dev/Jinyang_Li.txt /user/cs595/  
JinyangLi
```

```
hadoop fs -ls /user/cs595/JinyangLi
```



```
jinyang — maria_dev@sandbox:~ — ssh -p 2222 maria_dev@loca...  
[maria_dev@sandbox ~]$ hadoop fs -ls /user/cs595/JinyangLi  
Found 3 items  
-rw-r--r--  1 maria_dev hdfs      10 2017-09-05 19:37 /user/cs595/JinyangLi/  
Jinyang_Li.txt  
-rw-r--r--  1 maria_dev hdfs     62 2017-09-05 19:27 /user/cs595/JinyangLi/  
cs595doc.txt  
-rw-r--r--  1 maria_dev hdfs     61 2017-09-05 19:32 /user/cs595/JinyangLi/  
cs595doc2.txt  
[maria_dev@sandbox ~]$
```

Desktop —
b.docx
bootstrap时尚分类信息网站模板分类广告htm
bt_cata
credits.pages
cs595-hw1.pages
cs595-hw1.pdf
eastlansing.jpg
frostflames.com