

Regex Assignment

Q2 Create a user in linux with userid as 10001

- Add the user into the secondary group {sales} at time of creating the user

```
[cloudera@quickstart Desktop]$ sudo useradd -u 10001 regex
[cloudera@quickstart Desktop]$ sudo groupadd sales
[cloudera@quickstart Desktop]$ sudo usermod -G sales regex
[cloudera@quickstart Desktop]$ id regex
uid=10001(regex) gid=10001(regex) groups=10001(regex),10002(sales)
[cloudera@quickstart Desktop]$ █
```

Q3: Try to move the file from local environment to any folder into hadoop ecosystem.

```
-bash-4.1$ hdfs dfs -put /home/cloudera/1.txt /dummy
```

Q4: Create an empty file in any location in hadoop

```
-bash-4.1$ hdfs dfs -touchz /user/cloudera/text.txt
```

Q5 Change the permission of the folder & the files & subdirectories present inside the location of hadoop

- After that also verify the folder & also the internal files inside the folder

```
-bash-4.1$ hdfs dfs -ls /summer2
Found 1 items
-rw-r--r--  1 hdfs supergroup          0 2021-06-08 04:49 /summer2/1.txt
-bash-4.1$ hdfs dfs -tail /summer2/1.txt
-bash-4.1$ hdfs dfs -chmod 777 /summer2/1.txt
-bash-4.1$ hdfs dfs -ls /summer2/1.txt
-rwxrwxrwx  1 hdfs supergroup          0 2021-06-08 04:49 /summer2/1.txt
-bash-4.1$ █
```

Q6 Change the replication factor for any file present in hadoop to 3

- Also change the replication factor for any file while using the {put command} in hadoop to 3

```
-bash-4.1$ hdfs dfs -Ddfs.replication=3 -put /home/cloudera/1.txt /dummy
-bash-4.1$ hdfs dfs -stat %r /dummy/1.txt
3
-bash-4.1$ █
```

```
-bash-4.1$ hdfs dfs -setrep -R 3 /summer2/1.txt
Replication 3 set: /summer2/1.txt
-bash-4.1$ hdfs dfs -stat %r /summer2/1.txt
3
-bash-4.1$ █
```

Q7 Create any folder in hadoop

- Move the file from local to hadoop folder

- create one more file with data into local linux
- Try to copy the contents of new file from local machine to the hadoop environment now in the same folder

```
-bash-4.1$ hdfs dfs -put /home/cloudera/file.txt /summer2
-bash-4.1$ hdfs dfs -ls /summer2
Found 2 items
-rwxrwxrwx   2 hdfs supergroup          0 2021-06-08 04:49 /summer2/1.txt
-rw-r--r--   1 hdfs supergroup        35 2021-06-08 05:21 /summer2/file.txt
-bash-4.1$ hdfs dfs -tail /summer2/1.txt
-bash-4.1$ hdfs dfs -tail /summer2/file.txt
Hi This is from local environment.
-bash-4.1$
```

```
-bash-4.1$ hdfs dfs -touchz /user/cloudera/text.txt
```