

# Assignment

## Linux commands

# How to start task

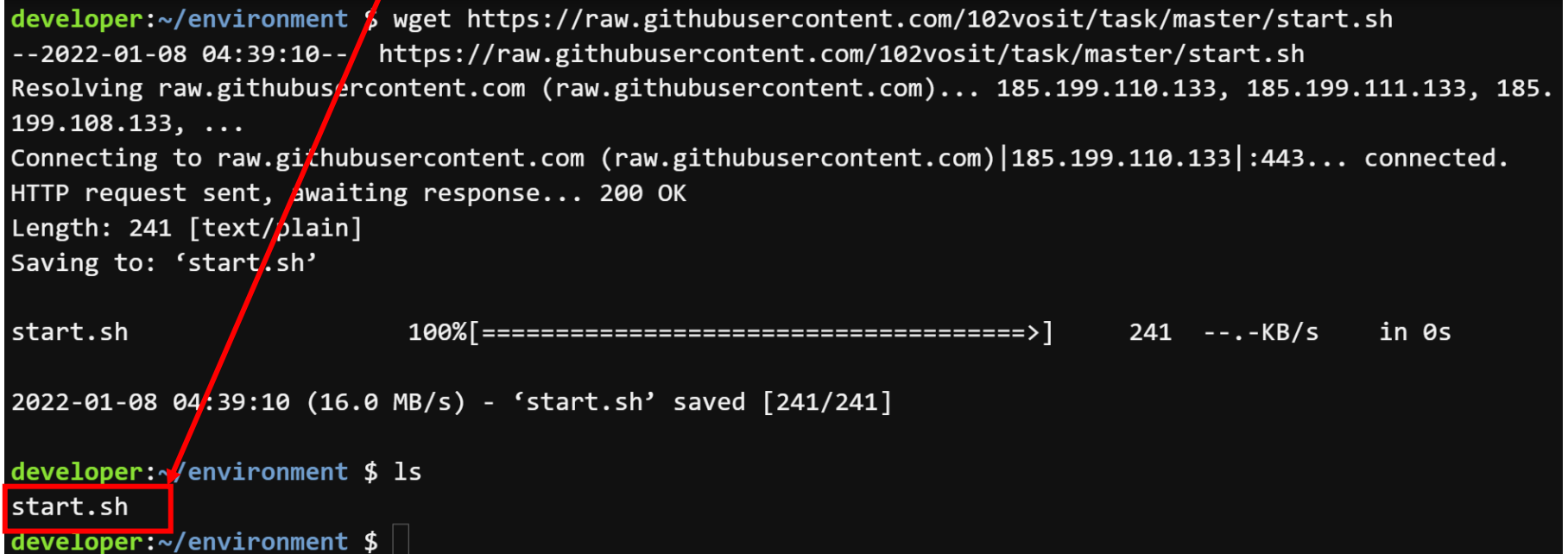
1) Please delete all files and directories in the ~/environment to complete task clear . You can use **rm -rf \*** to delete everything

```
bash - "ip-172-31-5-252" x (+)
developer:~/environment $ ls
developer:~/environment $
developer:~/environment $ rm -rf *
developer:~/environment $
```

2) Copy link below and paste it terminal and hit enter.

[wget https://raw.githubusercontent.com/102vosit/task/master/start.sh](https://raw.githubusercontent.com/102vosit/task/master/start.sh)

You will be see **start.sh** file



```
developer:~/environment $ wget https://raw.githubusercontent.com/102vosit/task/master/start.sh
--2022-01-08 04:39:10-- https://raw.githubusercontent.com/102vosit/task/master/start.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.110.133, 185.199.111.133, 185.
199.108.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|185.199.110.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 241 [text/plain]
Saving to: 'start.sh'

start.sh                100%[=====>]          241  --.-KB/s    in 0s

2022-01-08 04:39:10 (16.0 MB/s) - 'start.sh' saved [241/241]

developer:~/environment $ ls
start.sh
developer:~/environment $
```

3) Right now you have only one file which **start.sh**

In the terminal type: **bash start.sh**. You will see success message and two files and one directory.

```
bash - "ip-172-31-5-252" x (+)
developer:~/environment $ ls
start.sh
developer:~/environment $ bash start.sh
Task directory is created successfully!
Now You can go into Task directory and start task...
developer:~/environment $ ls
start.sh task test.sh
developer:~/environment $
```

**NOTE!** Please use this command **bash start.sh** only once while doing task

4) Change your current place into `task/` directory just you created by script and type `ls` command. There are `app` and `web` directories.

```
bash - "ip-172-31-5-252" x (+)
developer:~/environment $
developer:~/environment $ cd task/
developer:~/environment/task $ ls
app  web
developer:~/environment/task $
```

# What is problem

5) There are a lot of sub directories and files. As you can see there are different types file names and extensions. Also supposed to be backup file but no idea about name and extension only we know that file size more than 5KB. Same file names and extensions can be located different places. Some of files no name only with numbers. Others are only name no given extensions.

**NOTE!** All files located under the `app/` and `web/` directories

```
app web

app10.java app2.java app4.java app6.java app8.java application
app1.java app3.java app5.java app7.java app9.java index

db1.sql db5.sql excel18 excel22 index10.html index14.html index18.html main14.java main18.java
db2.sql doc excel19 excel23 index11.html index15.html main11.java main15.java main19.java
db3.sql excel excel20 excel24 index12.html index16.html main12.java main16.java main20.java
db4.sql excel17 excel21 excel25 index13.html index17.html main13.java main17.java

11.mp3 13.mp3 15.mp3 17.mp3 19.mp3 21.mp3 23.mp3 25.mp3 excel2 excel4
12.mp3 14.mp3 16.mp3 18.mp3 20.mp3 22.mp3 24.mp3 excel1 excel3 excel5

./app/application/excel:
10.mp3 17.mp4 19.mp4 20.mp4 22.mp4 3.mp3 5.mp3 7.mp3 9.mp3 word10 word3 word5 word7 word9
16.mp4 18.mp4 1.mp3 21.mp4 2.mp3 4.mp3 6.mp3 8.mp3 word1 word2 word4 word6 word8

10.mp4 12.mp4 14.mp4 6.mp4 8.mp4 excel13 excel15 web1.html web3.html web5.html web7.html web9.html
11.mp4 13.mp4 15.mp4 7.mp4 9.mp4 excel14 excel16 web2.html web4.html web6.html web8.html

data10.sql data6.sql data7.sql data8.sql data9.sql doc excel

26.mp3 29.mp3 32.mp3 35.mp3 38.mp3 41.mp3 44.mp3 47.mp3 50.mp3 53.mp3 excel10 excel6 excel9
27.mp3 30.mp3 33.mp3 36.mp3 39.mp3 42.mp3 45.mp3 48.mp3 51.mp3 54.mp3 excel11 excel7
28.mp3 31.mp3 34.mp3 37.mp3 40.mp3 43.mp3 46.mp3 49.mp3 52.mp3 55.mp3 excel12 excel8

1.mp4 2.mp4 3.mp4 4.mp4 5.mp4 word11 word12 word13 word14 word15 word16 word17 word18 word19 word20
```

# Starting task

6) You should create following directories:

JAVA, DATABASE, HTML, WORD, EXCEL, VIDEO, AUDIO, BACKUPS

under the `task/` directory where `app` and `web` directories located.

**NOTE!** While creating those directories be attention names. When you testing your task it does not complete If make spelling mistake on names. So be careful when typing names

A) All `*.java` files into JAVA directory

B) All `*.sql` files into DATABASE directory

C) All `*.html` files into HTML directory

D) All `word` files into WORD directory and add extension as `*.doc`

E) All `excel` files into EXCEL directory and add extension as `*.xls`

F) All `*.mp4` files into VIDEO directory and add name as `video{1..n}.mp4`

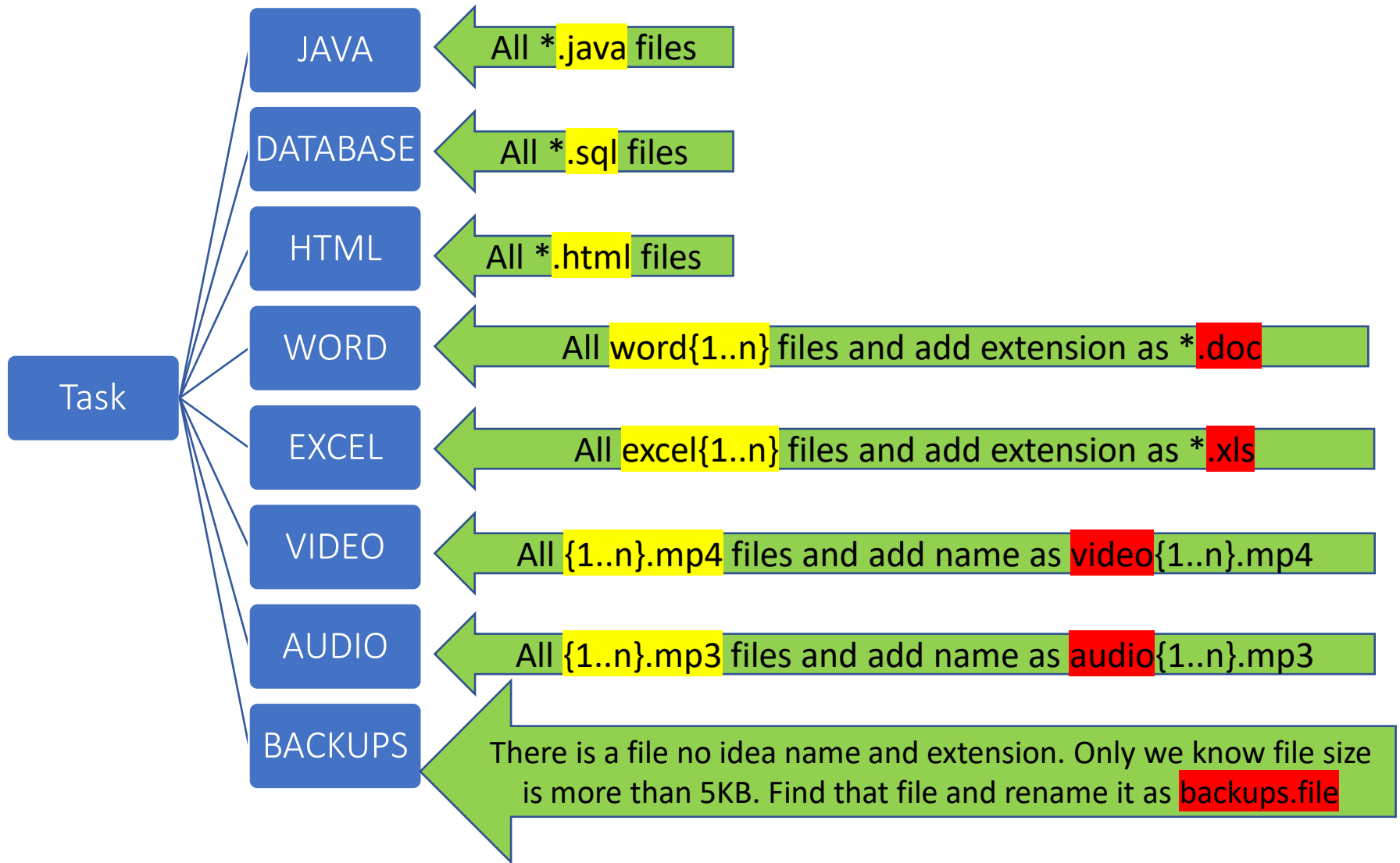
G) All `*.mp3` files into AUDIO directory and add name as `audio{1..n}.mp3`

H) There is a file no idea name and extension. Only we know file size is more than 5KB. Find that file and moved it into BACKUPS and rename it as `backups.file`

I) Make sure you have done all tasks and then you can delete two `app/` and `web/` directories. **NOTE!** Before delete `app` and `web` please test your task

# Visualize

7)





# Testing task

8) You are in the task directory.

Change your directory one step back by typing **cd ..**

You can see test.sh file and type **bash test.sh** in the terminal.

You will see your result.

```
developer:~/environment $ cd task/
developer:~/environment/task $
developer:~/environment/task $ cd ..
developer:~/environment $ ls
start.sh  task  test.sh
developer:~/environment $ bash test.sh
_____Your Result_____

JAVA directory task is failed, should be all and only *.java files
DATABASE directory task is failed, should be all and only *.sql files
HTML directory task is failed, should be all and only *.html files
WORD directory task is failed, should be all and only *.doc files
EXCEL directory task is failed, should be all and only *.xls files
VIDEO directory task is failed, should be all and only *.mp4 files
AUDIO directory task is failed, should be all and only *.mp3 files
BACKUPS directory task is failed, backups.file not found!

After you done all tasks please delete app/ and web/ directories inside of task/
```

Your result will be different.  
I have not done any task yet  
that's why all tasks are failed.

You can test your task as  
much as you want since  
complete all tasks.

# In addition

9) While moving files make sure move all files to particular directories.

When you testing it can be failed if counted files more or less.

Files names and extensions also another important thing. Please change only required files names and extensions otherwise task can be failed