Course: Big Data Lab 03 MapReduce

Fill answers of the questions below in the given tables. Your screenshots must contain commands for required operations.

Question 1:

Given a tsv file <u>WHO-COVID-19-20210601-213841.tsv</u> which is corresponding to the <u>WHO</u> Coronavirus (COVID-19) Dashboard.

Students are required to create a folder, named lab03, in HDFS and then copy the tsv to lab03/input/

Take a screenshot to show the content of lab03/input/ in HDFS

```
Vour screenshot goes here

Vethampblethamp VirtualBox: //making/ladops 3.215 bin/lafs drs -put Mio-CovID-19-2021061-21841.tsv lab03/input

2024-82-63 11:0813,092 1970 sail.saibustransfrictiont: Soil encryption frust clinicity in the control of th
```

Question 2:

Create one and only one java file, named **ASEANCaseCount.java**, to run a MapReduce job that counts the number of cumulative total cases among ASEAN countries (*South-East Asia Region in the given data table*).

The output of the MapReduce job is located in **lab03/output-java/**. Submit the source code file following the instructions in Submission Notice.

Question 3 (*optional*):

Create a pair of Python files, named **ASEANDeathCountMapper.py** and **ASEANDeathCountReducer.py**, to run a MapReduce job that counts the number of cumulative total deaths among ASEAN countries (*South-East Asia Region in the given data table*). The output of the MapReduce job is located in **lab03/output-python/**. Submit the source code files following the instructions in Submission Notice.

Submission Notice

- Export your answer file as pdf
- Rename the pdf following the format:

lab03_<student number>_HoTen.pdf

E.g. lab03_123456_NguyenThanhAn.pdf

If you have not been assigned a student number yet, then use 123456 instead.

- Create a folder with the name as **<student number>_HoTen**, which contains

| ASEANCaseCount.java

- - | ASEANDeathCountMapper.py | ASEANDeathCountReducer.py
- Compress the folder **<student number>_HoTen** in zip format and finally submit to the given form.
 - E.g. 123456_HoTen.zip
- Careless mistakes in filename, format, question order, etc. are not accepted (0 pts).