ASSIGNMENT 1
SUBMISSION SPECIFICATIONS

Python instructions

1. Please add **#!/usr/bin/python3** at the beginning of your python files.
2. Please make sure you are testing your scripts on hadoop before submitting, and not just locally.
3. Ensure you do not mix up tabs and spaces, run your code with Python3 to ensure no syntactical errors.
4. You will be submitting **four files, two** for each task. The following naming convention is to be strictly followed:
    a. Task 1 - TeamID_mapper.py, TeamID_reducer.py (eg:- BD_0002_0098_0218_1367_mapper.py)
    b. Task 2 - TeamID_mapper.py, TeamID_reducer.py (eg:- BD_0002_0098_0218_1367_reducer.py)

Java instructions

1. You will be submitting **two files, one** for each task. The following naming convention is to be strictly followed:
    a. Class Name - **TeamID** (eg:- BD_0002_0098_0218_1367)
    b. File Name - **TeamID.java** (eg:- BD_0002_0098_0218_1367.java)
    Note: There will be no difference in the naming convention for both the tasks.

2. Your java files will be exported to a jar file, which will be run as follows:
    ```
    bin/hadoop jar <Full Path to Jar File>.jar /inputA1 /outputA1
    ```
    We request you to not create a package as the command to run the same will be different, which is not supported by the evaluation portal.

Converting Windows/DOS Text Files to Linux/UNIX Format

If you have written your solutions on a Windows system, we recommend you run either command before submitting before submitting.
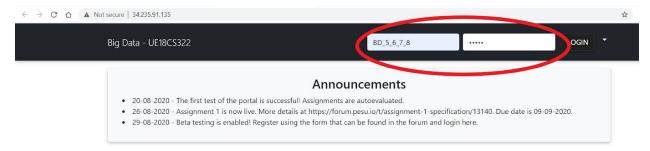```
dos2unix filename
```
or
```
fromdos filename
```
(Source: https://forum.pesu.io/t/assignment-1-issues/13282/6)

# QUICK WALKTHROUGH

[Submission Portal : http://34.235.91.135]

## Step 1: Login using your TeamID and default password.

## Step 2: Change your password by clicking on Profile.



## Step 3 : To submit your assignment, click on Evaluation.

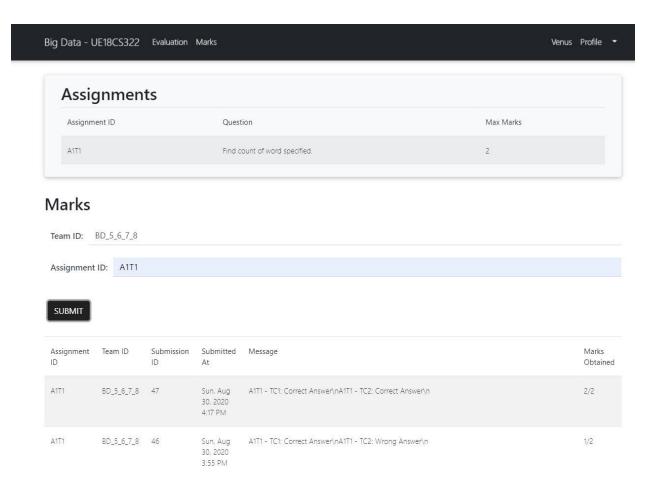Step 3.1: Enter the Assignment ID by cross-checking with the official list of assignments (refer screenshot below)

Step 3.2: Upload the required files. Naming convention should be followed strictly.

Step 3.3: Click on the "ARM" button. The "ARM" button checks when your last submission was. If 15 minutes have elapsed since, the "SUBMIT" button will be activated and you can click on it to submit your files to the backend for evaluation. If not, you will see an error message and you must try again later.
Note: If you click on "SUBMIT" after "ARM"ing but you had made a mistake (eg:- wrong assignment ID, incorrect file **type**), an error will show. You will still be able to "ARM" your submission, and you can click on "SUBMIT" after correcting the error.

Step 4: To view your marks, click on the Marks tab, enter your assignment ID and view marks for each of your submissions for that assignment.

Note : Each test case is checked, and marks are awarded accordingly as can be seen in the examples below.

## Assignments

| Assignment ID | Question | Max Marks |
|---|---|---|
| A1T1 | Find count of word specified. | 2 |

## Marks

**Team ID:**  BD_5_6_7_8

**Assignment ID:**  A1T1

**SUBMIT**

| Assignment ID | Team ID | Submission ID | Submitted At | Message | Marks Obtained |
|---|---|---|---|---|---|
| A1T1 | BD_5_6_7_8 | 47 | Sun, Aug 30, 2020 4:17 PM | A1T1 - TC1: Correct Answer\nA1T1 - TC2: Correct Answer\n | 2/2 |
| A1T1 | BD_5_6_7_8 | 46 | Sun, Aug 30, 2020 3:55 PM | A1T1 - TC1: Correct Answer\nA1T1 - TC2: Wrong Answer\n | 1/2 |

Note: Attached below is an example of the submission results you may receive - either a wrong output or a compilation error. If your submission hasn't been evaluated yet, it will appear as Not Evaluated. This means it is in the pipeline, and you will receive your marks shortly. Do remember each task takes a significant amount of time to run, and with the amount of submissions, there will be wait times involved with receiving your marks.

| A1T1 | BD_5_6_7_8 | 42 | Sun, Aug 30, 2020 3:33 PM | A1T1 - TC1: Wrong AnswerA1T1 - TC2: Wrong Answer | 0/2 |
| A1T1 | BD_5_6_7_8 | 41 | Sun, Aug 30, 2020 3:32 PM | ID not found | Not evaluated |
| A1T1 | BD_5_6_7_8 | 40 | Sun, Aug 30, 2020 3:29 PM | Compile Error Exception in thread "main" java.lang.ClassNotFoundException: 40-A1T1 at java.net.URLClassLoader.findClass(URLClassLoader.java:382) at java.lang.ClassLoader.loadClass(ClassLoader.java:418) at java.lang.ClassLoader.loadClass(ClassLoader.java:351) at java.lang.Class.forName0(Native Method) at java.lang.Class.forName(Class.java:348) at org.apache.hadoop.util.RunJar.run(RunJar.java:316) at org.apache.hadoop.util.RunJar.main(RunJar.java:236) | 0/2 |

# Step 6 [OPTIONAL] : You may choose to contribute to the Alcoding Club, PES University.



# IMPORTANT

- Please keep in mind that your scripts will be run through a plagiarism checker. Copying of code is strictly prohibited. While you are allowed to discuss varied approaches to your solutions, be aware that any kind of cheating will not be tolerated, and strict action will be taken against all teams who disregard this warning.
- The portal contains checks on file types, as well as sizes. If there is an attempt to sabotage the portal, your team will get 0 as everything is being logged.
- Discussions regarding faculty decisions about the same will not be entertained.