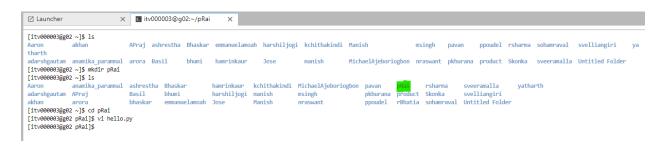
## **Assignment 1**

## Introduction

BAM-1043-01 Assignment C#: c0932089 Assignment1

Name: Prabesh Rai Date: January 26, 2024

1. Create a directory by your first & last name.



## 2. Open vim

- a. Write a Python file and save it with .py extension
- b. Execute your Python code.



3. Navigate the Hadoop directory using \$hdfs fs or \$hadoop dfs command.

```
[itv000003@g02 pRai]$ hdfs dfs -ls
Found 8 items

drwxr-xr-x - itv000003 supergroup
 drwxr-xr-x - itv000003 supergroup
```

## 4. Check for the file permissions.

```
[itv000003@g02 pRai]$ hdfs dfs -ls

Found 8 items

drwxr-xr-x - itv000003 supergroup

drwxr-xr-x - itv000003 supergroup
```

- 5. Suppose there is file of size 514 MB stored in HDFS (Hadoop 2.x) using default block size configuration and default replication factor:
  - a. How many blocks will be created in total?

Ans: 5 blocks will be created.

b. What will be the size of each block?

Ans: 4 blocks of 1\*128 MB and 1 block of 1\*2 MB