EXP NO: 4

CREATE UDF IN PIG

\$start-all.sh

```
File Actions Edit View Help

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[Start-all.an

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Picked up JAVA_DOTIONS: Dust_seckystamAAFontSettings-on -Dawing.natoxt-true

2024-09-11 Bi-19:16,479 WARN util_MativeCodeLoader: Unable to load native-haddon library for your platform... using builtin-java classes where applicable

Starting rescontanager

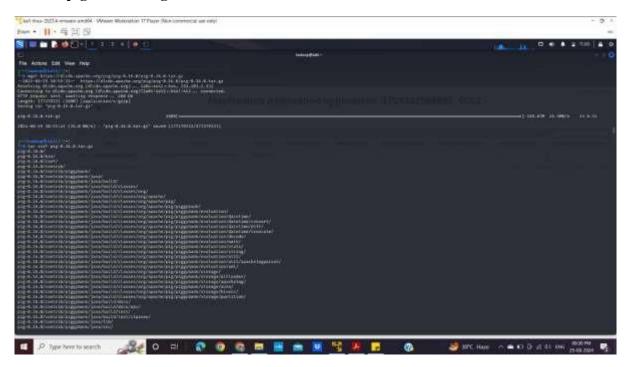
Starting rescontanager
```

\$ jps

```
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- Ficked or _NAVA_OFTIONS: -Cawt.useSystemAAFontSettings-om -Dewing.astext-true
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14-72 Jun
18838 SecondaryNumeMode
14-311 MetourceMarager
13-97 DesireMarager
13-97 DesireMarager
13-97 NeweMode
```

\$wget https://dlcdn.apache.org/pig/pig-0.16.0/pig-0.16.0.tar.gz \$

tar xvzf pig-0.16.0.tar.gz

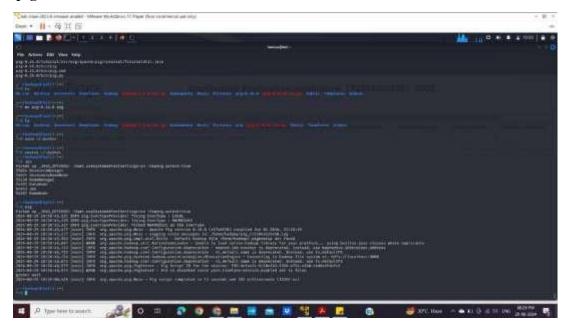


\$nano ~/.bashrc

```
#PIG settings
export PIG_HOME=/home/hadoop/pig
export PATH=SPATH:SPIG_HOME/bin
export PIG_CLASSPATH=SPIG_HOME/conf:SHADOOP_HOME/etc/hadoop/
export PIG_CONF_DIR=SPIG_HOME/conf
#export JAVA_HOME=/usr/lib/jvm/java-8-openjdk-amd64
export PIG_CLASSPATH=SPIG_CONF_DIR:SPATH
#PIG setting ends
```

\$mv pig-0.16.0 pig

\$pig



\$cd DA-Lab \$mkdir exp4 \$cd exp4

\$nano sample.txt



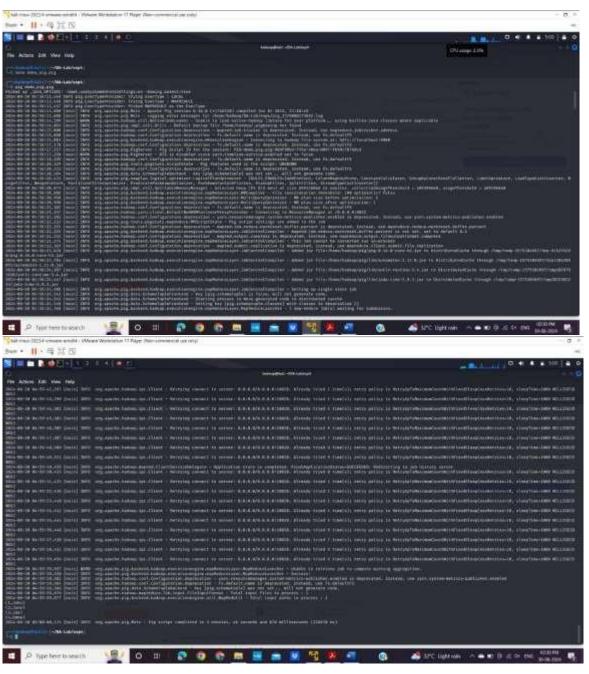
\$nano demo_pig.pig



\$hdfs dfs -mkdir /exp4

 $\label{lem:copyFromLocal} $$ \arrowvert ab/exp4/sample.txt/exp4 $$$

\$pig demo_pig.pig



\$nano uppercase udf.py

```
File Actions Edit View Help

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Inf uppercase unf.py

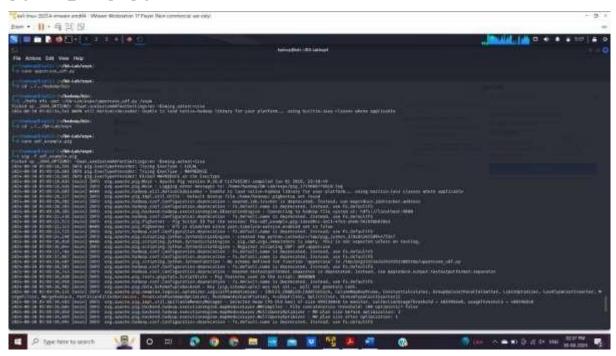
If __name __ = __nain__*;
    import sys
    for line = line.strip()
    result = uppercase(line)
    print(result)
```

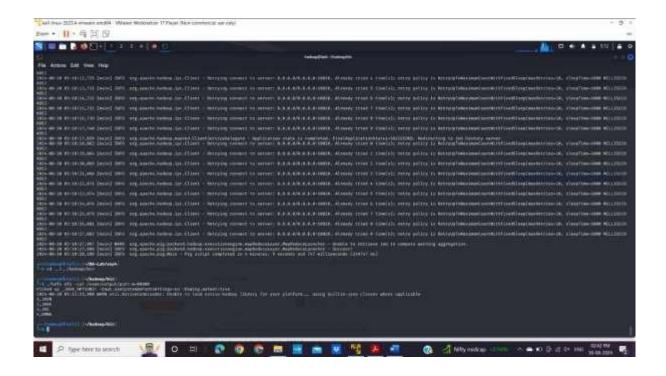
\$hdfs dfs -copyFromLocal ~/DA-Lab/exp4/uppercase udf.py /exp4

\$nano udf example.pig



\$pig -f udf_example.pig





\$hdfs dfs -cat /exp4/output/*

```
(hadoop@kali)-[~/hadoop/bin]
$ ./hdfs dfs -cat /exp4/output/*
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
2024-09-21 00:33:32,731 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform ...
1, JOHN
2, JANE
3, JOE
4, EMMA
```