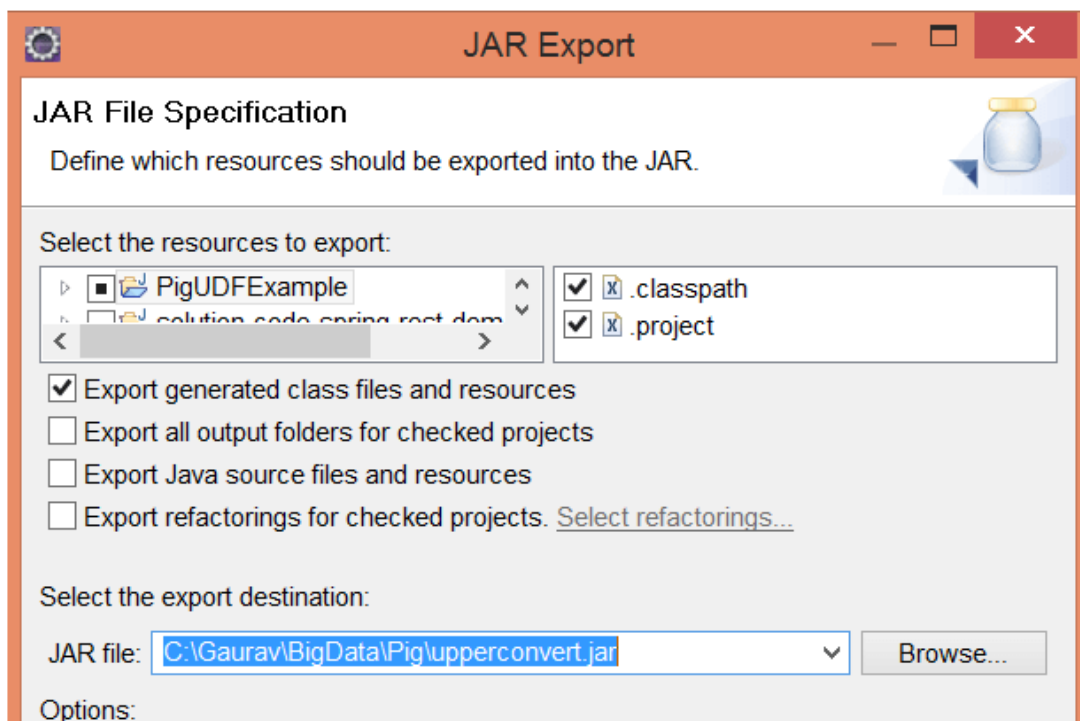# UDF  FOR EVAL FUNCTION

```java
package com.hadoop;

import java.io.IOException;

import org.apache.pig.EvalFunc;
import org.apache.pig.data.Tuple;

public class TestUpper extends EvalFunc<String>   {
    public String exec(Tuple input) throws IOException {
        if (input == null || input.size() == 0)
        return null;
        try{
                String str = (String)input.get(0);
        return str.toUpperCase();
        }catch(Exception e){
        throw new IOException("Caught exception processing input row ", e);
            }
```
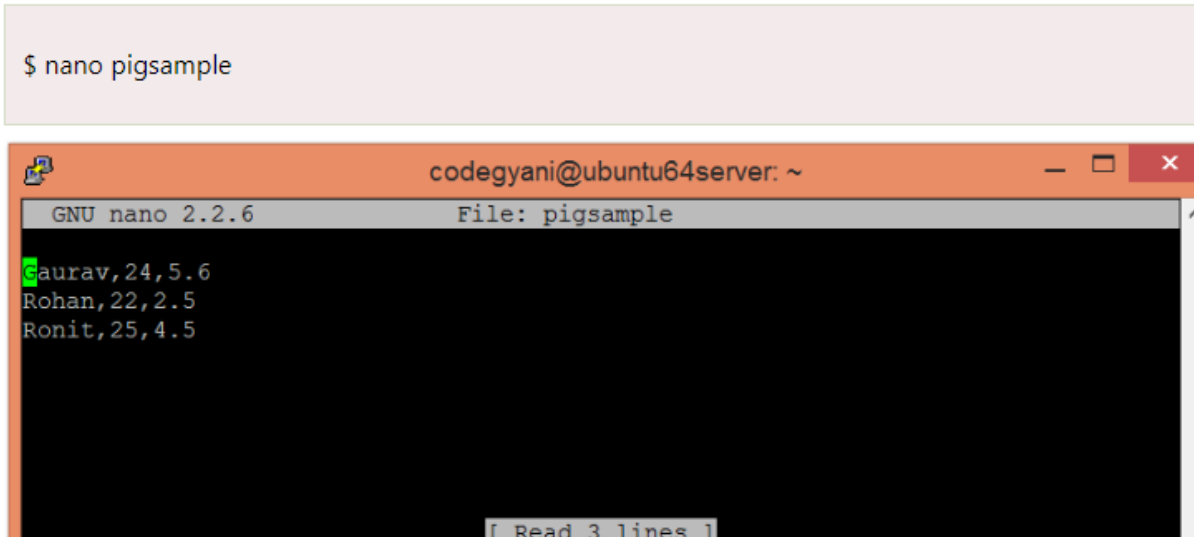
## MAKE A JAR FILE AND STORE IT

# CREATE A TEXT FILE AND INSERT SOME TUPLES

- Create a text file in your local machine and insert the list of tuples.

```
$ nano pigsample
```

```
GNU nano 2.2.6              File: pigsample

Gaurav,24,5.6
Rohan,22,2.5
Ronit,25,4.5




                        [ Read 3 lines ]
```
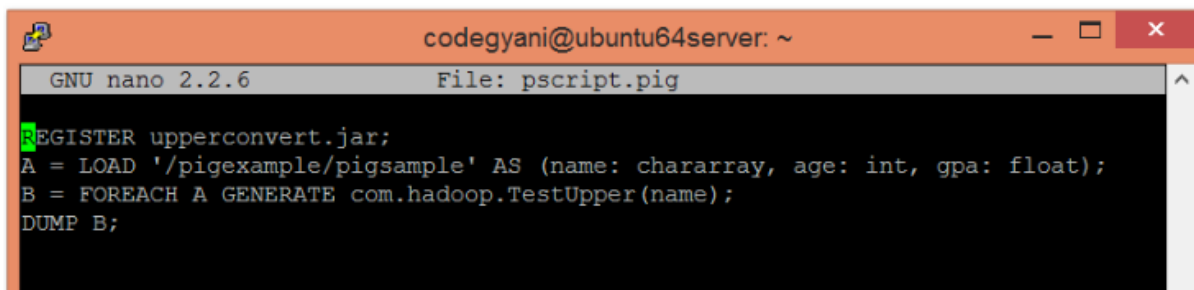
codegyani@ubuntu64server: ~

# UPLOAD IN HDFS AND CREATE A PIG FILE AND WRITE SCRIPT

o Upload the text files on HDFS in the specific directory.

$ hdfs dfs -put pigexample /pigexample

o Create a pig file in your local machine and write the script.

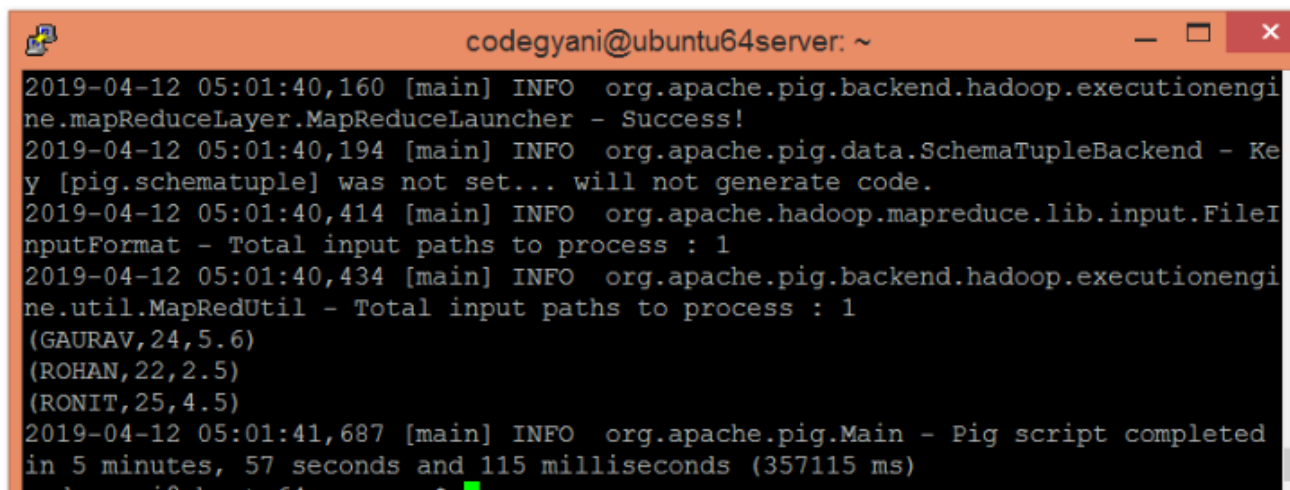$ nano pscript.pig

```
codegyani@ubuntu64server: ~

GNU nano 2.2.6                    File: pscript.pig

REGISTER upperconvert.jar;
A = LOAD '/pigexample/pigsample' AS (name: chararray, age: int, gpa: float);
B = FOREACH A GENERATE com.hadoop.TestUpper(name);
DUMP B;
```

# RUN THE SCRIPT

$pig pscript.pig

```
codegyani@ubuntu64server: ~

2019-04-12 05:01:40,160 [main] INFO  org.apache.pig.backend.hadoop.executionengi
ne.mapReduceLayer.MapReduceLauncher - Success!
2019-04-12 05:01:40,194 [main] INFO  org.apache.pig.data.SchemaTupleBackend - Ke
y [pig.schematuple] was not set... will not generate code.
2019-04-12 05:01:40,414 [main] INFO  org.apache.hadoop.mapreduce.lib.input.FileI
nputFormat - Total input paths to process : 1
2019-04-12 05:01:40,434 [main] INFO  org.apache.pig.backend.hadoop.executionengi
ne.util.MapRedUtil - Total input paths to process : 1
(GAURAV,24,5.6)
(ROHAN,22,2.5)
(RONIT,25,4.5)
2019-04-12 05:01:41,687 [main] INFO  org.apache.pig.Main - Pig script completed
in 5 minutes, 57 seconds and 115 milliseconds (357115 ms)
```