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After adding the stack_exchange_posts.csv to the hdfs directory, I then created the HBase table via the HBase shell.

```
❯ start-hbase.sh
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/local/Cellar/hadoop/3.3.1/libexec/share/hadoop/c
.class]
SLF4J: Found binding in [jar:file:/usr/local/Cellar/hbase/2.4.6/libexec/lib/client-faci
nder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
running master, logging to /usr/local/Cellar/hbase/2.4.6/libexec/logs/hbase-SRB3C8X-mas
: running regionserver, logging to /usr/local/Cellar/hbase/2.4.6/libexec/logs/hbase-SRB
❯ hbase shell
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/local/Cellar/hadoop/3.3.1/libexec/share/hadoop/c
.class]
SLF4J: Found binding in [jar:file:/usr/local/Cellar/hbase/2.4.6/libexec/lib/client-faci
nder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
2022-03-13 19:25:42,758 WARN  [main] util.NativeCodeLoader: Unable to load native-hadoo
cable
HBase Shell
Use "help" to get list of supported commands.
Use "exit" to quit this interactive shell.
For Reference, please visit: http://hbase.apache.org/2.0/book.html#shell
Version 2.4.6, r7374d396c271d340d6600d2d6e9cfd61307d9ef8, Fri Sep  3 09:54:35 PDT 2021
Took 0.0078 seconds
hbase:001:0> create 'stackexchange', 'POST_METADATA', 'OWNER', 'EDIT', 'BODY'
```

Working on the Inverting Indexer in Java, I was unable to successfully compile due to HBase dependencies being inaccessible as shown below. Additionally, as this was the first time I had coded with Java, this took me many++ hours and I eventually ran out of time to resolve the issues I was having. Ultimately, I will have to review Module 5 in depth to help utilize Maven for development. The (nearly compiled) code is attached and I was able to test portions of the code and retain mapping/reducing and inverting indexes logic as I had written in Python earlier.

```
❯ javac -classpath $(hadoop classpath) -d Assignment_4 Assignment_4/InvertedIndexingOnHBase.java
Assignment_4/InvertedIndexingOnHBase.java:7: error: package org.apache.hadoop.hbase does not exist
import org.apache.hadoop.hbase.HBaseConfiguration;
                              ^
Assignment_4/InvertedIndexingOnHBase.java:8: error: package org.apache.hadoop.hbase.mapred does not exist
import org.apache.hadoop.hbase.mapred.TableMapReduceUtil;
                                     ^
Assignment_4/InvertedIndexingOnHBase.java:66: error: cannot find symbol
        HBaseConfiguration conf =  HBaseConfiguration.create();
        ^
  symbol:   class HBaseConfiguration
  location: class InvertedIndexingOnHBase
Assignment_4/InvertedIndexingOnHBase.java:66: error: cannot find symbol
        HBaseConfiguration conf =  HBaseConfiguration.create();
                                   ^
  symbol:   variable HBaseConfiguration
  location: class InvertedIndexingOnHBase
Assignment_4/InvertedIndexingOnHBase.java:70: error: cannot find symbol
        TableMapReduceUtil.initTableMapperJob("stackexchange",
        ^
  symbol:   variable TableMapReduceUtil
  location: class InvertedIndexingOnHBase
Assignment_4/InvertedIndexingOnHBase.java:74: error: cannot find symbol
        TableMapReduceUtil.initTableReducerJob("stackexchange",
        ^
  symbol:   variable TableMapReduceUtil
  location: class InvertedIndexingOnHBase
6 errors
```