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| EXP NO: 6(B) | Installation of HBase, Installing thrift along with Practice examples |
| DATE: | |

AIM: -

BACKGROUND THEORY: -

PROCEDURE: -

- Switch to superuser mode using `sudo su`.
- Open the HBase shell by executing the following command
- To create a table, use the `create` command
- To insert data into the table, use the `put` command.
- To retrieve data from the table, use the `get` command
- To scan data from the table, use the `scan` command
- To update a value, you can use the `put` command
- To delete a specific cell, use the `delete` command

CODING: -

- `sudo su`
- `# Start HBase shell`
- `hbase shell`
- `# Create a table`
- `create 'my_table', 'my_column_family'`
- `# Insert data (Create)`
- `put 'my_table', 'row1', 'my_column_family:name', 'Alice'`
- `put 'my_table', 'row1', 'my_column_family:age', '30'`
- `put 'my_table', 'row2', 'my_column_family:name', 'Bob'`
- `put 'my_table', 'row2', 'my_column_family:age', '25'`
- `# Read data (Retrieve)`
- `get 'my_table', 'row1'`
- `scan 'my_table'`
- `# Update data`
- `put 'my_table', 'row1', 'my_column_family:age', '31'`
- `# Delete data`
- `delete 'my_table', 'row1', 'my_column_family:age'`
- `deleteall 'my_table', 'row1' # Deletes entire row1`
- `# Drop the table (optional)`
- `drop 'my_table'`

OUTPUT: -

```
hbase(main):011:0> create 'TEST_TABLE', 'Col_1', 'Col_2'  
0 row(s) in 0.3440 seconds  
  
=> Hbase::Table - TEST_TABLE  
hbase(main):012:0> list  
TABLE  
TEST_TABLE  
1 row(s) in 0.0140 seconds  
  
=> ["TEST_TABLE"]
```

```
ubuntu: ~/hbase-1.1.1/bin  
hduser@ubuntu:~/hbase-1.1.1/bin$ hbase shell  
SLF4J: Class path contains multiple SLF4J bindings.  
SLF4J: Found binding in [jar:file:/home/hduser/hbase-1.1.1/  
SLF4J: Found binding in [jar:file:/home/hduser/hadoop-2.2.0  
SLF4J: See http://www.slf4j.org/codes.html#multiple_binding  
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLogge  
2015-09-11 17:01:42,907 WARN [main] util.NativeCodeLoader:  
HBase Shell; enter 'help<RETURN>' for list of supported com  
Type "exit<RETURN>" to leave the HBase Shell  
Version 1.1.1, rd0a115a7267f54e01c72c603ec53e91ec418292f, T  
hbase(main):001:0> status
```