TUTORIAL A

HBASE SHELL COMMANDS:

CONNECTING TO EMR CLUSTER:

STARTED USING HBASE AND CREATING TABLES:

```
Mase: Name of the property of
```

PUT AND COUNT COMMANDS:

DELETE, INCREMENT, GET, AND SCAN COMMANDS:

```
| Described | Took | 1885 | Seconds | Took | 1886 | Se
```

TUTORIAL B

CREATING AND POPULATING TABLES WITH HBASE:

```
hbase:857:0> create 'customer','ID','Cust_Name',{NAME=>'Address',VERSIONS=>3},'Demographics',{NAME=>'Payments',VERSIONS=>3}
Created table customer
Took 1.1511 seconds
hbase:059:0> put 'customer', '171', 'Cust_Name:LastName', 'Hensley'
Took 0.0150 seconds
|hbase:060:0> put 'customer', '171', 'Address:StreetAddress', '10075 Thierer Plaza'
Took 0.0152 seconds
hbase:061:0> put 'customer', '171', 'Address:StreetAddress', '615 McCallie Ave'
Took 0.0058 seconds
hbase:062:0> put 'customer', '171', 'Address:City', 'New York'
Took 0.0075 seconds
hbase:063:0> put 'customer', '171', 'Address:State', 'New York'
Took 0.0097 seconds
hbase:064:0> put 'customer', '171', 'Address:State', 'Tennessee'
Took 0.0057 seconds
hbase:065:0> put 'customer', '171', 'Demographics:Gender', 'M'
Took 0.0061 seconds
|hbase:066:0> put 'customer', '171', 'Payments:Internet', 'True'
Took 0.0195 seconds
|hbase:067:0> put 'customer', '171', 'Payments:Internet', 'True'
Took 0.0077 seconds
|hbase:068:0> put 'customer', '171', 'Payments:Mobile', 'False'
Took 0.0096 seconds
hbase:069:0> put 'customer', '171', 'Payments:Mobile', 'True'
Took 0.0072 seconds
hbase:070:0> put 'customer', '171', 'Payments:Mobile', 'False'
[hbase:071:0> put 'customer', '172', 'Cust_Name:FirstName', 'Lony'
Took 0.0077 seconds
hbase:072:0> put 'customer', '172', 'Cust_Name:LastName', 'Foster'
Took 0.9055 seconds
[hbase:073:0> put 'customer', '172', 'Address:State', 'Texas'
Took 0.0047 seconds
hbase:074:0> put 'customer', '172', 'Address:Zip', '13498'
Took 0.0074 seconds
hbase:075:0> put 'customer', '172', 'Demographics:BirthYear', '1981'
Took 0.0068 seconds
hbase:076:0> put 'customer', '172', 'Demographics:Gender', 'F'
Took 0.0065 seconds
hbase:077:0> put 'customer', '172', 'Payments:CreditCard', 'True'
Took 0.0075 seconds
hbase:078:0> put 'customer', '172', 'Payments:Mobile', 'False'
Took 0.0137 seconds
hbase:079:0> put 'customer', '172', 'Payments:Mobile', 'False'
Took 0.0059 seconds
hbase:080:0> put 'customer', '172', 'Payments:Mobile', 'False'
Took 0.0060 seconds
|hbase:081:0> put 'customer', '171', 'Address:Zip', '81377'
                                                                                                                                         I
Took 0.0064 seconds
|hbase:082:0> put 'customer', '171', 'Address:Zip', '37415'
Took 0.0102 seconds hbase:083:0>
```