HABSE ASSIGNMENT -1: Hbase connection with Python

In [13]:
```
pip install happybase
```

```
Requirement already satisfied: happybase in c:\users\abarik\miniconda3\lib\site-packages (1.2.0)
Requirement already satisfied: six in c:\users\abarik\miniconda3\lib\site-packages (from happybase) (1.16.0)
Requirement already satisfied: thriftpy2>=0.4 in c:\users\abarik\miniconda3\lib\site-packages (from happybase) (0.4.14)
Requirement already satisfied: ply<4.0,>=3.4 in c:\users\abarik\miniconda3\lib\site-packages (from thriftpy2>=0.4->happybase) (3.11)
Note: you may need to restart the kernel to use updated packages.
```

In [14]:
```python
import happybase
connection=happybase.Connection('192.168.56.101',port=9090,autoconnect=True)
if(connection):
    print("hbase connection with Hbase\n")
else:
    print("Not connecting\n")

connection.open()

print("List of Tables {0}".format(connection.tables()))

#creating table schema

try:
    connection.create_table(
      'usertable',
      {'cf1':dict(),
       'cf2':dict(),
        'cf3':dict()
        }
)
except Exception as e:
    print(e)
else:
    print("table sucessfully created\n")


#inserting data
table = connection.table('usertable')

try:
    table.put(b'row-key1', {b'cf1:col1': b'Avijit',b'cf1:col2': b'25'})

    table.put(b'row-key2', {b'cf1:col1': b'Anik', b'cf1:col2': b'36'})
    table.put(b'row-key3', {b'cf2:col3': b' fever medical bill', b'cf2:col4': b'3000'})
    table.put(b'row-key4', {b'cf2:col3': b' pox medical bill', b'cf2:col4': b'4400'})
    table.put(b'row-key5', {b'cf3:col5': b' car brand', b'cf2:col6': b'BMW'})

except Exception as e:
    print(e)
else:
    print("sucessfully inserted data\n")

print("Scanning over rows in a table\n")
for key, data in table.scan():
     print(key, data)

try:
    table.delete(b'row-key5', columns=[b'cf3:col5', b'cf2:col6'])
except Exception as e:
    print(e)
else:
    print(" deleting record sucessfully\n")


print("Scanning over rows in a table\n")
for key, data in table.scan():
     print(key, data)
```

```
hbase connection with Hbase

List of Tables [b'cudtomer', b'customer', b'employee', b'mytable', b'mytable1', b'tomer', b'usertable']
AlreadyExists(message=b'table name already in use')
sucessfully inserted data

Scanning over rows in a table

b'row-key1' {b'cf1:col1': b'Avijit', b'cf1:col2': b'25'}
b'row-key2' {b'cf1:col1': b'Anik', b'cf1:col2': b'36'}
b'row-key3' {b'cf2:col3': b' fever medical bill', b'cf2:col4': b'3000'}
b'row-key4' {b'cf2:col3': b' pox medical bill', b'cf2:col4': b'4400'}
b'row-key5' {b'cf2:col6': b'BMW', b'cf3:col5': b' car brand'}
 deleting record sucessfully

Scanning over rows in a table

b'row-key1' {b'cf1:col1': b'Avijit', b'cf1:col2': b'25'}
b'row-key2' {b'cf1:col1': b'Anik', b'cf1:col2': b'36'}
b'row-key3' {b'cf2:col3': b' fever medical bill', b'cf2:col4': b'3000'}
b'row-key4' {b'cf2:col3': b' pox medical bill', b'cf2:col4': b'4400'}
```

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