

# CSP595 - Assignment 11

Name: Jagruti Vichare  
Email ID: [jvichare@hawk.iit.edu](mailto:jvichare@hawk.iit.edu)  
CWID: A20378092

## Exercise 1

Command: create 'cs595Tbl', 'cf1', 'cf2'

Describe command output:

```
b1e cs595Tbl is ENABLED
595Tbl
COLUMN FAMILIES DESCRIPTION
NAME => 'cf1', BLOOMFILTER => 'ROW', VERSIONS => '1', IN_MEMORY => 'false', KEEP_DELETED
=> 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE', MIN
NS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0'}
NAME => 'cf2', BLOOMFILTER => 'ROW', VERSIONS => '1', IN_MEMORY => 'false', KEEP_DELETED
=> 'FALSE', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE', MIN
NS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPLICATION_SCOPE => '0'}
```

## Exercise 2

Put commands:

```
ase(main):004:0> put 'cs595Tbl', '1', 'cf1:name', 'Sam'
row(s) in 0.3520 seconds

ase(main):005:0> put 'cs595Tbl', '2', 'cf1:name', 'Ahmed'
row(s) in 0.0390 seconds

ase(main):006:0> put 'cs595Tbl', '1', 'cf2:job', 'Pilot'
row(s) in 0.0450 seconds

ase(main):007:0> put 'cs595Tbl', '2', 'cf2:job', 'Doctor'
row(s) in 0.0170 seconds

ase(main):008:0> put 'cs595Tbl', '1', 'cf2:level', 'LZ3'
row(s) in 0.0240 seconds
```

Scan command output:

```
W COLUMN+CELL
column=cf1:name, timestamp=1523253926808, value=Sam
column=cf2:job, timestamp=1523254026293, value=Pilot
column=cf2:level, timestamp=1523254078463, value=LZ3
column=cf1:name, timestamp=1523253958550, value=Ahmed
column=cf2:job, timestamp=1523254044935, value=Doctor
column=cf2:level, timestamp=1523254099982, value=AR7
```

## Exercise 3

Note: Assuming column family cf2 instead of cf1

Command: get 'cs595Tbl', '1', {COLUMN => 'cf2:level'}

Output:

```
cf2:level          timestamp=1523254078463, value=LZ3
```

#### Exercise 4

Command: get 'cs595Tbl', '2', {COLUMN => 'cf1:name'}

Output:

```
cf1:name          timestamp=1523253958550, value=Ahmed
```

#### Exercise 5

Command: scan 'cs595Tbl', {LIMIT => 1}

Output:

```
W          COLUMN+CELL
          column=cf1:name, timestamp=1523253926808, value=Sam
          column=cf2:job, timestamp=1523254026293, value=Pilot
          column=cf2:level, timestamp=1523254078463, value=LZ3
```