ACD\_BDD2.3\_Session\_9\_Assignment\_2

hbase(main):006:0> **create 'clicks','IP','hits'**

0 row(s) in 9.0870 seconds

=> Hbase::Table - clicks

hbase(main):007:0> **describe 'clicks'**

Table clicks is ENABLED

clicks

COLUMN FAMILIES DESCRIPTION

{NAME => 'IP', BLOOMFILTER => 'ROW', VERSIONS => '1', IN\_MEMORY => 'false', KEEP\_DELETED\_CELLS => 'FALSE', DATA\_BLOCK\_ENCODIN

G => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE', MIN\_VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPLIC

ATION\_SCOPE => '0'}

{NAME => 'hits', BLOOMFILTER => 'ROW', VERSIONS => '1', IN\_MEMORY => 'false', KEEP\_DELETED\_CELLS => 'FALSE', DATA\_BLOCK\_ENCOD

ING => 'NONE', TTL => 'FOREVER', COMPRESSION => 'NONE', MIN\_VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65536', REPL

ICATION\_SCOPE => '0'}

2 row(s) in 1.5800 seconds

hbase(main):008:0> put **'clicks','10.20.30.198','hits:a','10'**

0 row(s) in 3.8910 seconds

hbase(main):009:0> **scan 'clicks'**

ROW COLUMN+CELL

10.20.30.198 column=hits:a, timestamp=1506764563710, value=10

1 row(s) in 1.4590 seconds

hbase(main):010:0> put 'clicks','10.20.30.198','hits:b','100'

0 row(s) in 0.5140 seconds

hbase(main):011:0> put 'clicks','10.20.30.198','hits:c','180'

0 row(s) in 0.4800 seconds

hbase(main):012:0> put 'clicks','10.20.30.198','hits:d','10'

0 row(s) in 0.4110 seconds

hbase(main):013:0> put 'clicks','10.20.30.198','hits:e','0'

0 row(s) in 0.3930 seconds

hbase(main):014:0> scan 'clicks'

**ROW COLUMN+CELL**

**10.20.30.198 column=hits:a, timestamp=1506764563710, value=10**

**10.20.30.198 column=hits:b, timestamp=1506764603180, value=100**

**10.20.30.198 column=hits:c, timestamp=1506764619772, value=180**

**10.20.30.198 column=hits:d, timestamp=1506764745856, value=10**

**10.20.30.198 column=hits:e, timestamp=1506764816116, value=0**

**1 row(s) in 0.8720 seconds**

hbase(main):015:0> put 'clicks','10.101.223.445','hits:a','22'

0 row(s) in 0.8160 seconds

hbase(main):016:0> put 'clicks','10.101.223.445','hits:b','42'

0 row(s) in 0.1840 seconds

hbase(main):017:0> **scan 'clicks'**

**ROW COLUMN+CELL**

**10.101.223.445 column=hits:a, timestamp=1506764885720, value=22**

**10.101.223.445 column=hits:b, timestamp=1506764901902, value=42**

**10.20.30.198 column=hits:a, timestamp=1506764563710, value=10**

**10.20.30.198 column=hits:b, timestamp=1506764603180, value=100**

**10.20.30.198 column=hits:c, timestamp=1506764619772, value=180**

**10.20.30.198 column=hits:d, timestamp=1506764745856, value=10**

**10.20.30.198 column=hits:e, timestamp=1506764816116, value=0**

**2 row(s) in 1.2160** seconds

hbase(main):018:0> **alter 'clicks',NAME=>'hits',VERSIONS=>5**

**Updating all regions with the new schema...**

**0/1 regions updated.**

**0/1 regions updated.**

**0/1 regions updated.**

**1/1 regions updated.**

**Done.**

**0 row(s) in 12.2540 seconds**

hbase(main):019:0> **put 'clicks','10.101.223.445','hits:b','22'**

0 row(s) in 1.0210 seconds

hbase(main):020:0> **put 'clicks','10.20.30.198','hits:e','20'**

0 row(s) in 0.4220 seconds

hbase(main):021:0> **put 'clicks','10.20.30.198','hits:e','120'**

0 row(s) in 0.4830 seconds

hbase(main):022:0> **put 'clicks','10.20.30.198','hits:e','100'**

0 row(s) in 0.3460 seconds

hbase(main):023:0> **scan 'clicks'**

ROW COLUMN+CELL

10.101.223.445 column=hits:a, timestamp=1506764885720, value=22

10.101.223.445 column=hits:b, timestamp=1506765112086, value=22

10.20.30.198 column=hits:a, timestamp=1506764563710, value=10

10.20.30.198 column=hits:b, timestamp=1506764603180, value=100

10.20.30.198 column=hits:c, timestamp=1506764619772, value=180

10.20.30.198 column=hits:d, timestamp=1506764745856, value=10

10.20.30.198 column=hits:e, timestamp=1506765144292, value=100

2 row(s) in 1.9440 seconds

hbase(main):027:0> **scan 'clicks',{COLUMN=>'hits:e',VERSIONS=>5}**

**ROW COLUMN+CELL**

**10.20.30.198 column=hits:e, timestamp=1506765144292, value=100**

**10.20.30.198 column=hits:e, timestamp=1506765134649, value=120**

**10.20.30.198 column=hits:e, timestamp=1506765125884, value=20**

**10.20.30.198 column=hits:e, timestamp=1506764816116, value=0**

**1 row(s) in 1.1270 seconds**

hbase(main):028:0> **scan 'clicks',{COLUMN=>'hits:b',VERSIONS=>5}**

**ROW COLUMN+CELL**

**10.101.223.445 column=hits:b, timestamp=1506765112086, value=22**

**10.101.223.445 column=hits:b, timestamp=1506764901902, value=42**

**10.20.30.198 column=hits:b, timestamp=1506764603180, value=100**

**2 row(s) in 0.5140 seconds**