**Assignment 9.2**

**Task1 :**

-------------------------------------------------------------------------

**hbase(main):001:0> create 'clicks',{NAME=>'hits', VERSION=>5}**

SLF4J: Class path contains multiple SLF4J bindings.

SLF4J: Found binding in [jar:file:/usr/local/hbase/lib/slf4j-log4j12-1.6.4.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: Found binding in [jar:file:/usr/local/hadoop-2.6.0/share/hadoop/common/lib/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]

SLF4J: See http://www.slf4j.org/codes.html#multiple\_bindings for an explanation.

2017-09-26 03:41:30,232 WARN [main] util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

Unknown argument ignored for column family hits: 1.8.7

0 row(s) in 5.7570 seconds

=> Hbase::Table - clicks

**hbase(main):002:0> describe 'clicks'**

Table clicks is ENABLED

clicks

COLUMN FAMILIES DESCRIPTION

{NAME => 'hits', BLOOMFILTER => 'ROW', VERSIONS => '1', IN\_MEMORY => 'false', KE

EP\_DELETED\_CELLS => 'FALSE', DATA\_BLOCK\_ENCODING => 'NONE', TTL => 'FOREVER', CO

MPRESSION => 'NONE', MIN\_VERSIONS => '0', BLOCKCACHE => 'true', BLOCKSIZE => '65

536', REPLICATION\_SCOPE => '0'}

1 row(s) in 0.1450 seconds

hbase(main):003:0>

**hbase(main):003:0> list**

TABLE

clicks

1 row(s) in 0.0810 seconds

Task 2:

-------------------------------------------------------------------------**hbase(main):002:0> put 'clicks','192.168.43.85', 'hits:A',** '12'

0 row(s) in 0.8080 seconds

**hbase(main):003:0> scan 'clicks'**

ROW COLUMN+CELL

192.168.43.85 column=hits:A, timestamp=1506963359939, value=12

1 row(s) in 0.1320 seconds

**hbase(main):004:0> put 'clicks','192.168.43.85', 'hits:B', '15'**

**put 'clicks','192.168.43.85', 'hits:C', '16'**

**put 'clicks','192.168.43.85', 'hits:D', '17'**

**put 'clicks','192.168.43.85', 'hits:E', '18'**

**put 'clicks','192.168.43.85', 'hits:F', '19'**

0 row(s) in 0.0410 seconds

0 row(s) in 0.0100 seconds

0 row(s) in 0.0080 seconds

0 row(s) in 0.0130 seconds

0 row(s) in 0.0110 seconds

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

**ROW COLUMN+CELL**

**192.168.43.85 column=hits:A, timestamp=1506963359939, value=12**

**192.168.43.85 column=hits:B, timestamp=1506963455859, value=15**

**192.168.43.85 column=hits:C, timestamp=1506963455988, value=16**

**192.168.43.85 column=hits:D, timestamp=1506963456125, value=17**

**192.168.43.85 column=hits:E, timestamp=1506963456176, value=18**

**192.168.43.85 column=hits:F, timestamp=1506963456215, value=19**

**1 row(s) in 0.1520 seconds**

hbase(main):010:0>

**hbase(main):010:0> alter 'clicks',{NAME=>'hits', VERSION=>5}**

Unknown argument ignored for column family hits: 1.8.7

Updating all regions with the new schema...

0/1 regions updated.

0/1 regions updated.

1/1 regions updated.

Done.

0 row(s) in 4.7380 seconds

hbase(main):011:0>

**hbase(main):011:0> put 'clicks','192.168.43.85', 'hits:C', '22'**

**put 'clicks','192.168.43.85', 'hits:C', '23'**

**put 'clicks','192.168.43.85', 'hits:C', '24'**

**put 'clicks','192.168.43.85', 'hits:D', '32'**

**put 'clicks','192.168.43.85', 'hits:C', '33'**

0 row(s) in 0.0550 seconds

0 row(s) in 0.0170 seconds

0 row(s) in 0.0140 seconds

0 row(s) in 0.0090 seconds

0 row(s) in 0.0450 seconds

hbase(main):016:0>

**hbase(main):016:0> scan 'clicks'**

**ROW COLUMN+CELL**

**192.168.43.85 column=hits:A, timestamp=1506963359939, value=12**

**192.168.43.85 column=hits:B, timestamp=1506963455859, value=15**

**192.168.43.85 column=hits:C, timestamp=1506964325104, value=33**

**192.168.43.85 column=hits:D, timestamp=1506964325064, value=32**

**192.168.43.85 column=hits:E, timestamp=1506963456176, value=18**

**192.168.43.85 column=hits:F, timestamp=1506963456215, value=19**

**1 row(s) in 0.1040 seconds**