Assignment 9 Solution

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1. Create User table DDL

HBase Shell Statement

create 'User', {NAME=>'creds'}, {NAME=>'prefs'}, {NAME=>'lastlogin'}

1. Java Program source code paste here. (Optional)

N/A – Hbase Shell was used instead

1. Demonstrate sample run demonstrating HBase functionality in order as listed in the project. Sample run should be demonstrated at command line. Rather than taking screen shots, you can use script command line unix tool. If you are not writing Java code, you can place your HBase shell statements.

[gwang39@hdserver git-hadoop]$ cat myrun.out

Script started on Sun 25 Nov 2018 07:42:36 PM EST

[gwang39@hdserver git-hadoop]$ jps

4336 NodeManager

4992 HMaster

5376 Jps

3857 DataNode

4050 SecondaryNameNode

5128 HRegionServer

4889 HQuorumPeer

4218 ResourceManager

3692 NameNode

[gwang39@hdserver git-hadoop]$ hbase shell

HBase Shell; enter 'help<RETURN>' for list of supported commands.

Type "exit<RETURN>" to leave the HBase Shell

Version 1.3.2.1, rbf25c1cb7221178388baaa58f0b16a408e151a69, Fri Jun  1 16:13:58 EDT 2018

hbase(main):001:0> create 'User', {NAME=>'creds'}, {NAME=>'prefs'}, {NAME=>'lastlogin'}

0 row(s) in 2.7700 seconds

=> Hbase::Table - User

hbase(main):002:0> scan 'User'

ROW                COLUMN+CELL

0 row(s) in 0.1520 seconds

hbase(main):003:0> put 'User', 'kss', 'creds:email', 'k@s.com'

0 row(s) in 0.0830 seconds

hbase(main):004:0> put 'User', 'kss', 'creds:password', 'mypasswd'

0 row(s) in 0.0190 seconds

hbase(main):005:0> put 'User', 'kss', 'prefs:status', 'married'

0 row(s) in 0.0210 seconds

hbase(main):006:0> put 'User', 'kss', 'prefs:date\_of\_birth', '1970/06/03'

0 row(s) in 0.0090 seconds

hbase(main):007:0> put 'User', 'kss', 'prefs:security\_question', 'favorite colo'

0 row(s) in 0.0060 seconds

hbase(main):008:0> put 'User', 'kss', 'prefs:security\_answer', 'red'

0 row(s) in 0.0050 seconds

hbase(main):009:0> scan 'User'

ROW                COLUMN+CELL

kss               column=creds:email, timestamp=1543193626495, value=k@s.com

kss               column=creds:password, timestamp=1543193663028, value=mypa

                  sswd

kss               column=prefs:date\_of\_birth, timestamp=1543193733657, value

                  =1970/06/03

kss               column=prefs:security\_answer, timestamp=1543193786851, val

                  ue=red

kss               column=prefs:security\_question, timestamp=1543193774722, v

                  alue=favorite color

kss               column=prefs:status, timestamp=1543193692334, value=marrie

                  d

1 row(s) in 0.0260 seconds

hbase(main):010:0> put 'User', 'kss', 'lastlogin:ip', '128.220.101.100'

0 row(s) in 0.0180 seconds

hbase(main):011:0> put 'User', 'kss', 'lastlogin:date', '2018/11/25'

0 row(s) in 0.0150 seconds

hbase(main):012:0> put 'User', 'kss', 'lastlogin:time', '20:05:12'

0 row(s) in 0.0130 seconds

hbase(main):013:0> put 'User', 'kss', 'lastlogin:success', 'yes'

0 row(s) in 0.0070 seconds

hbase(main):014:0> get 'User', 'kss'

COLUMN                     CELL

creds:email               timestamp=1543193626495, value=k@s.com

creds:password            timestamp=1543193663028, value=mypasswd

lastlogin:date            timestamp=1543194201542, value=2018/11/25

lastlogin:ip              timestamp=1543194187904, value=128.220.101.100

lastlogin:success         timestamp=1543194272588, value=yes

lastlogin:time            timestamp=1543194223583, value=20:05:12

prefs:date\_of\_birth       timestamp=1543193733657, value=1970/06/03

prefs:security\_answer     timestamp=1543193786851, value=red

prefs:security\_question   timestamp=1543193774722, value=favorite color

prefs:status              timestamp=1543193692334, value=married

1 row(s) in 0.0440 seconds

hbase(main):015:0> put 'User', 'user2', 'creds:email', 'user2@s.com'

0 row(s) in 0.0090 seconds

hbase(main):016:0> put 'User', 'user2', 'creds:password', 'mypasswd2'

0 row(s) in 0.0150 seconds

hbase(main):017:0> put 'User', 'user2', 'prefs:status', 'married'

0 row(s) in 0.0090 seconds

hbase(main):018:0> put 'User', 'user2', 'prefs:date\_of\_birth', '1989/11/12'

0 row(s) in 0.0050 seconds

hbase(main):019:0> put 'User', 'user2', 'prefs:security\_question', 'favorite color'

0 row(s) in 0.0120 seconds

hbase(main):020:0> put 'User', 'user2', 'prefs:security\_answer', 'blue'

0 row(s) in 0.0280 seconds

hbase(main):021:0> scan 'User'

ROW                        COLUMN+CELL

kss                       column=creds:email, timestamp=1543193626495, value=k@s.com

kss                       column=creds:password, timestamp=1543193663028, value=mypasswd

kss                       column=lastlogin:date, timestamp=1543194201542, value=2018/11/25

kss                       column=lastlogin:ip, timestamp=1543194187904, value=128.220.101.100

kss                       column=lastlogin:success, timestamp=1543194272588, value=yes

kss                       column=lastlogin:time, timestamp=1543194223583, value=20:05:12

kss                       column=prefs:date\_of\_birth, timestamp=1543193733657, value=1970/06/03

kss                       column=prefs:security\_answer, timestamp=1543193786851, value=red

kss                       column=prefs:security\_question, timestamp=1543193774722, value=favorite color

kss                       column=prefs:status, timestamp=1543193692334, value=married

user2                     column=creds:email, timestamp=1543194399861, value=user2@s.com

user2                     column=creds:password, timestamp=1543194418464, value=mypasswd2

user2                     column=prefs:date\_of\_birth, timestamp=1543194461932, value=1989/11/12

user2                     column=prefs:security\_answer, timestamp=1543194493346, value=blue

user2                     column=prefs:security\_question, timestamp=1543194477163, value=favorite color

user2                     column=prefs:status, timestamp=1543194441846, value=married

2 row(s) in 0.0700 seconds

hbase(main):023:0> delete 'User', 'user2', 'creds:email'

0 row(s) in 0.0310 seconds

hbase(main):024:0> delete 'User', 'user2', 'creds:password'

0 row(s) in 0.0280 seconds

hbase(main):025:0> delete 'User', 'user2', 'prefs:date\_of\_birth'

0 row(s) in 0.0080 seconds

hbase(main):026:0> delete 'User', 'user2', 'prefs:security\_question'

0 row(s) in 0.0060 seconds

hbase(main):027:0> delete 'User', 'user2', 'prefs:security\_answer'

0 row(s) in 0.0060 seconds

hbase(main):028:0> delete 'User', 'user2', 'prefs:status'

0 row(s) in 0.0040 seconds

hbase(main):029:0> scan 'User'

ROW                        COLUMN+CELL

kss                       column=creds:email, timestamp=1543193626495, value=k@s.com

kss                       column=creds:password, timestamp=1543193663028, value=mypasswd

kss                       column=lastlogin:date, timestamp=1543194201542, value=2018/11/25

kss                       column=lastlogin:ip, timestamp=1543194187904, value=128.220.101.100

kss                       column=lastlogin:success, timestamp=1543194272588, value=yes

kss                       column=lastlogin:time, timestamp=1543194223583, value=20:05:12

kss                       column=prefs:date\_of\_birth, timestamp=1543193733657, value=1970/06/03

kss                       column=prefs:security\_answer, timestamp=1543193786851, value=red

kss                       column=prefs:security\_question, timestamp=1543193774722, value=favorite color

kss                       column=prefs:status, timestamp=1543193692334, value=married

1 row(s) in 0.0190 seconds

hbase(main):031:0> disable 'User'

^[[A^[[B0 row(s) in 2.3600 seconds

hbase(main):032:0> drop 'User'

0 row(s) in 1.3550 seconds

hbase(main):033:0> exit

[gwang39@hdserver git-hadoop]$ exit

exit

Script done on Sun 25 Nov 2018 08:12:31 PM EST

[gwang39@hdserver git-hadoop]$