

## EXPERIMENT 7: Performing CRUD Operations on Apache HBase

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### 1) Create Table Badminton

a) **Query** : create 'badminton','badmintonname'

```
hbase:002:0> create 'badminton','badmintonname'
2024-03-26 22:32:07,503 INFO [main] client.HBaseAdmin (HBaseAdmin.java:postOperationResult(3592)) - Operation: CREATE, Table Name: default
:badminton, procId: 12 completed
Created table badminton
Took 0.7043 seconds
=> Hbase::Table - badminton
hbase:003:0>
```

### 2) Scan Table Badminton

a) **Query** : scan 'badminton'

```
hbase:003:0> scan 'badminton'
ROW COLUMN+CELL
2024-03-26 22:32:49,338 INFO [ReadOnlyZKClient-127.0.0.1:2181@0x0c318864] zookeeper.ZooKeeper (ZooKeeper.java:<init>(637)) - Initiating client connection, connectString=127.0.0.1:2181 sessionTimeout=90000 watcher=org.apache.hadoop.hbase.zookeeper.ReadOnlyZKClient$$Lambda$230/215678894@3c9b4341
2024-03-26 22:32:49,339 INFO [ReadOnlyZKClient-127.0.0.1:2181@0x0c318864] zookeeper.ClientCnxnSocket (ClientCnxnSocket.java:initProperties(239)) - jute.maxbuffer value is 1048575 Bytes
2024-03-26 22:32:49,340 INFO [ReadOnlyZKClient-127.0.0.1:2181@0x0c318864] zookeeper.ClientCnxn (ClientCnxn.java:initRequestTimeout(1741)) - zookeeper.request.timeout value is 0. feature enabled=false
2024-03-26 22:32:49,348 INFO [ReadOnlyZKClient-127.0.0.1:2181@0x0c318864-SendThread(127.0.0.1:2181)] zookeeper.ClientCnxn (ClientCnxn.java:logStartConnect(1177)) - Opening socket connection to server localhost/127.0.0.1:2181.
2024-03-26 22:32:49,348 INFO [ReadOnlyZKClient-127.0.0.1:2181@0x0c318864-SendThread(127.0.0.1:2181)] zookeeper.ClientCnxn (ClientCnxn.java:logStartConnect(1179)) - SASL config status: Will not attempt to authenticate using SASL (unknown error)
2024-03-26 22:32:49,350 INFO [ReadOnlyZKClient-127.0.0.1:2181@0x0c318864-SendThread(127.0.0.1:2181)] zookeeper.ClientCnxn (ClientCnxn.java:primeConnection(1011)) - Socket connection established, initiating session, client: /127.0.0.1:57010, server: localhost/127.0.0.1:2181
2024-03-26 22:32:49,364 INFO [ReadOnlyZKClient-127.0.0.1:2181@0x0c318864-SendThread(127.0.0.1:2181)] zookeeper.ClientCnxn (ClientCnxn.java:onConnected(1452)) - Session establishment complete on server localhost/127.0.0.1:2181, session id = 0x10000a8f05e0004, negotiated timeout = 40000
0 row(s)
Took 0.3038 seconds
hbase:004:0>
```

### 3) Put Data into Table Badminton

a) **Query** : put 'badminton','r1','badmintonname','adwait'

```
hbase:005:0> put 'badminton','r1','badmintonname','adwait'
Took 0.1062 seconds
hbase:005:0>
```

### 4) Delete all data in a row in Table Badminton

a) **Query** : deleteall 'badminton','r1'

```
hbase:005:0> deleteall 'badminton','r1'
Took 0.0424 seconds
hbase:006:0>
```