

Cassandra

Q3

```
$ cqlsh -u user -p pw123 LOCALHOST;
```

Q4

```
CREATE KEYSPACE test  
WITH REPLICATION =  
{'class' : 'SimpleStrategy',  
'replication_factor' : 1};
```

Q5

```
USE test;
```

Q6

```
CREATE TABLE person (  
  id TEXT,  
  email TEXT,  
  name TEXT,  
  surname TEXT,  
  PRIMARY KEY (id));
```

Q7

```
DESCRIBE person;
```

Q8

```
INSERT INTO person (id, name, surname, email) VALUES ('001', 'Shalabh',  
'Aggarwal', 'contact@shalabhaggarwal.com');
```

```
INSERT INTO person (id, name, surname, email) VALUES ('002', 'John', 'Doe',  
'john@example.com');
```

```
INSERT INTO person (id, name, surname, email) VALUES ('003', 'Harry',  
'Potter', 'harry@example.com');
```

Q9

```
SELECT * FROM person;
```

Q10

```
SELECT name FROM person WHERE id='001';
```

Q11

```
CREATE COLUMNFAMILY users (  
key VARCHAR PRIMARY KEY,  
full_name VARCHAR,  
birth_date INT,  
state VARCHAR,  
emails SET <text>);
```

Q12

```
CREATE INDEX ON users (birth_date);
```

```
CREATE INDEX ON users (state);
```

Q13

```
SELECT full_name, emails FROM users WHERE key= 'pangeles';
```

Q14

```
SELECT key, state FROM users;
```

```
key | state |
```

```
bsanderson | UT |
```

```
prothfuss | WI |
```

```
htaylor | UT |
```

Q15

```
SELECT * FROM users WHERE state='UT' AND birth_date > 1970 ALLOW  
FILTERING;
```

```
KEY | birth_date | full_name | state |
```

```
bsanderson | 1975 | Brandon Sanderson | UT |
```