

Рабочая тетрадь № 6

База данных: ***Cassandra***

Рабочая тетрадь № 6

Основные требования:

- *Выполнение команд производится в терминале или в графическом редакторе*
- *Результат работы команды предоставляется в виде скриншота*
- *Оформление ведется в удобном текстовом редакторе*

- Рабочие тетради должны предоставляться на проверку в формате *.pdf*

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```
cqlsh> create keyspace StokaIP31 with replication = {'class': 'SimpleStrategy', 'replication_factor': 1};  
cqlsh>
```

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```
cqlsh:stokaip31> create table students ( fio text, age int, studak text, group text, primary key (studak));  
cqlsh:stokaip31> _
```

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```
cqlsh:stokaip31> insert into students (fio, age, studak, group) values ('Stoka Ivan Pavlovich', 19, '21I1228', 'IVB0-04-21');
cqlsh:stokaip31> insert into students (fio, age, studak, group) values ('Skorohodova Ekaterina Aleksandrovna', 19, '21I2228', 'IVB0-04-21');
cqlsh:stokaip31> insert into students (fio, age, studak, group) values ('Chenkaleev David Borisovich', 19, '21I3338', 'IVB0-02-21');
cqlsh:stokaip31> insert into students (fio, age, studak, group) values ('Sergeev David Borisovich', 20, '20I3338', 'IVB0-02-20');
cqlsh:stokaip31> insert into students (fio, age, studak, group) values ('Alexandor David Borisovich', 18, '22I3338', 'IVB0-02-22');
cqlsh:stokaip31>
```

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```
cqlsh:stokaip31> select * from students;
```

studak	age	fio	group
21I2228	19	Skorohodova Ekaterina Aleksandrovna	IVB0-04-21
21I1228	19	Stoka Ivan Pavlovich	IVB0-04-21
20I3338	20	Sergeev David Borisovich	IVB0-02-20
21I3338	19	Chenkaleev David Borisovich	IVB0-02-21
22I3338	18	Alexandor David Borisovich	IVB0-02-22

```
(5 rows)
```

```
cqlsh:stokaip31>
```

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```
cqlsh:stokaip31> DELETE from students WHERE studak = '22I3338';  
cqlsh:stokaip31> select * from students;
```

studak	age	fio	group
21I2228	19	Skorohodova Ekaterina Aleksandrovna	IVB0-04-21
21I1228	19	Stoka Ivan Pavlovich	IVB0-04-21
20I3338	20	Sergeev David Borisovich	IVB0-02-20
21I3338	19	Chenkaleev David Borisovich	IVB0-02-21

```
(4 rows)  
cqlsh:stokaip31>
```

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```
cqlsh:stokaip31> ALTER TABLE students ADD phone text;
cqlsh:stokaip31> insert into students (fio, age, studak, group, phone) values ('Alexandor David Borisovich', 18, '22I3338', 'IVB0-02-22', '+7-905-727-81-99');
cqlsh:stokaip31> select * from students;
```

studak	age	fio	group	phone
21I2228	19	Skorohodova Ekaterina Aleksandrovna	IVB0-04-21	null
21I1228	19	Stoka Ivan Pavlovich	IVB0-04-21	null
20I3338	20	Sergeev David Borisovich	IVB0-02-20	null
21I3338	19	Chenkaleev David Borisovich	IVB0-02-21	null
22I3338	18	Alexandor David Borisovich	IVB0-02-22	+7-905-727-81-99

(5 rows)
cqlsh:stokaip31>

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```
cqlsh:stokaip31> delete age FROM students WHERE studak = '22I3338';  
cqlsh:stokaip31> select * from students;
```

studak	age	fio	group	phone
21I2228	19	Skorohodova Ekaterina Aleksandrovna	IVB0-04-21	null
21I1228	19	Stoka Ivan Pavlovich	IVB0-04-21	null
20I3338	20	Sergeev David Borisovich	IVB0-02-20	null
21I3338	19	Chenkaleev David Borisovich	IVB0-02-21	null
22I3338	null	Alexandor David Borisovich	IVB0-02-22	+7-905-727-81-99

(5 rows)

```
cqlsh:stokaip31>
```

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```
cqlsh:stokaip31> SELECT studak, writetime(group) from students ;
```

studak	writetime(group)
--------	------------------

21I2228	1671229057155614
21I1228	1671229027451612
20I3338	1671229124204968
21I3338	1671229103207770
22I3338	1671229762174686

(5 rows)

```
cqlsh:stokaip31> _
```

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```
cqlsh:stokaip31> UPDATE students set email = 'myemail@gmail.com' where studak = '21I1228';  
cqlsh:stokaip31> select * FROM students
```

```
cqlsh:stokaip31> select * from students;
```

studak	age	email	fio	group	phone
21I2228	19	null	Skorohodova Ekaterina Aleksandrovna	IVB0-04-21	null
21I1228	19	myemail@gmail.com	Stoka Ivan Pavlovich	IVB0-04-21	null
20I3338	20	null	Sergeev David Borisovich	IVB0-02-20	null
21I3338	19	null	Chenkaleev David Borisovich	IVB0-02-21	null
22I3338	null	null	Alexandor David Borisovich	IVB0-02-22	+7-905-727-81-99

(5 rows)

Рабочая тетрадь № 6

```
cqlsh:stokaip31> CREATE INDEX on students(fio);
cqlsh:stokaip31> select * from students where fio = 'Stoka Ivan Pavlovich';
```

studak	age	email	fio	group	phone
21I1228	19	myemail@gmail.com	Stoka Ivan Pavlovich	IVBO-04-21	null

(1 rows)