



NO SQL

ASSIGNMENT

NAME:- CHINTAM SRAVAN KUMAR

REGISTRATION NUMBER:- 21BCE7822

ASSIGNEMENT 1.18 (18th)

CHINTAM SRAVAN KUMAR- 21BCE7822

Q1 Select students list where cgpa is greater than, greater than equal, less than, less than equal and equal to some number

```
cqlsh:university> SELECT * FROM students WHERE cgpa > 3.5 ALLOW FILTERING;
```

id	age	cgpa	courses	name
5fe418f9-207e-4d46-a22f-ab8fe0c75035	21	3.9	{'Computer Science'}	Bob Johnson
f8f094e9-b61c-454c-9a85-653ca3d90634	22	3.6	{'Biology', 'Chemistry'}	Alice Smith
efa77f87-782e-4f8b-8b6d-ff1ec0425444	20	3.8	{'Computer Science', 'Mathematics', 'Physics'}	John Doe

(3 rows)

```
cqlsh:university> SELECT * FROM students WHERE cgpa >= 3.6 ALLOW FILTERING;
```

id	age	cgpa	courses	name
5fe418f9-207e-4d46-a22f-ab8fe0c75035	21	3.9	{'Computer Science'}	Bob Johnson
f8f094e9-b61c-454c-9a85-653ca3d90634	22	3.6	{'Biology', 'Chemistry'}	Alice Smith
efa77f87-782e-4f8b-8b6d-ff1ec0425444	20	3.8	{'Computer Science', 'Mathematics', 'Physics'}	John Doe

(3 rows)

```
cqlsh:university> SELECT * FROM students WHERE cgpa < 3.6 ALLOW FILTERING;
```

id	age	cgpa	courses	name
f469f08a-dde1-4b81-9312-23d40ac40116	19	3.5	{'English', 'History', 'Political Science'}	Emily Davis

(1 rows)

```
cqlsh:university> SELECT * FROM students WHERE cgpa <= 3.6 ALLOW FILTERING;
```

id	age	cgpa	courses	name
f8f094e9-b61c-454c-9a85-653ca3d90634	22	3.6	{'Biology', 'Chemistry'}	Alice Smith
f469f08a-dde1-4b81-9312-23d40ac40116	19	3.5	{'English', 'History', 'Political Science'}	Emily Davis

(2 rows)

```
cqlsh:university> SELECT * FROM students WHERE cgpa=3.9 ALLOW FILTERING;
```

id	age	cgpa	courses	name
5fe418f9-207e-4d46-a22f-ab8fe0c75035	21	3.9	{'Computer Science'}	Bob Johnson

(1 rows)

Q2 Select the subject opted by some students as well as offered by faculty (use and, or operator)

```
cqlsh:university> SELECT NAME FROM students WHERE courses contains 'Computer Science' and age >=20 allow filtering;
```

name
John Doe

(1 rows)

```
(1 rows)  
cqlsh:university> SELECT * FROM faculty WHERE courses contains 'Computer Science' and salary >=20000 allow filtering;
```

id	age	courses	name	salary
ef2cba22-d90a-47aa-9a03-7e8a6e49c691	35	{'Computer Science', 'Programming'}	Dr. Johnson	80000.00

(1 rows)

```
cqlsh:university> SELECT * FROM student WHERE courses contains 'Computer Science' and age >=20 allow filtering;
```

```
cqlsh:university> SELECT NAME FROM faculty WHERE courses contains 'Computer Science' or age >=20 allow filtering;
```