

CS 327E Class 2

February 4, 2019

1) How many records does this query return?

```
SELECT * FROM Soccer_Player
```

Soccer_Player

id	no	name	age	team	position	country
46	7	Sanchez	30	Manchester United	Forward	Chile
82	10	Neymar	26	Paris St. Germain	Forward	Brazil
79	7	Coutinho	26	Barcelona	Midfielder	Brazil
23	10	Lionel Messi	31	Barcelona	Forward	Argentina

- a) 4
- b) 5
- c) 6
- d) 0

2) How many fields does this query return?

```
SELECT * FROM Soccer_Player
```

Soccer_Player

id	no	name	age	team	position	country
46	7	Sanchez	30	Manchester United	Forward	Chile
82	10	Neymar	26	Paris St. Germain	Forward	Brazil
79	7	Coutinho	26	Barcelona	Midfielder	Brazil
23	10	Lionel Messi	31	Barcelona	Forward	Argentina

- a) 4
- b) 5
- c) 6
- d) 7

3) How many records does this query return?

```
SELECT * FROM Soccer_Player  
WHERE age = 26
```

Soccer_Player

id	no	name	age	team	position	country
46	7	Sanchez	30	Manchester United	Forward	Chile
82	10	Neymar	26	Paris St. Germain	Forward	Brazil
79	7	Coutinho	26	Barcelona	Midfielder	Brazil
23	10	Lionel Messi	31	Barcelona	Forward	Argentina

- a) 0
- b) 1
- c) 2
- d) 3

4) How many records does this query return?

```
SELECT * FROM Soccer_Player  
WHERE age = 26 OR country = 'Chile'
```

Soccer_Player

id	no	name	age	team	position	country
46	7	Sanchez	30	Manchester United	Forward	Chile
82	10	Neymar	26	Paris St. Germain	Forward	Brazil
79	7	Coutinho	26	Barcelona	Midfielder	Brazil
23	10	Lionel Messi	31	Barcelona	Forward	Argentina

- a) 0
- b) 1
- c) 2
- d) 3

5) How many records does this query return?

```
SELECT * FROM Soccer_Player  
WHERE age > 30 AND country = 'Brazil'
```

Soccer_Player

id	no	name	age	team	position	country
46	7	Sanchez	30	Manchester United	Forward	Chile
82	10	Neymar	26	Paris St. Germain	Forward	Brazil
79	7	Coutinho	26	Barcelona	Midfielder	Brazil
23	10	Lionel Messi	31	Barcelona	Forward	Argentina

a) 0

b) 1

c) 2

d) 3

SQL Queries: Basic Form

```
SELECT <list of desired fields>  
FROM <single table>  
WHERE <boolean condition>
```

SQL Queries: Basic Form

```
SELECT <list of desired fields>  
FROM <single table>  
WHERE <boolean condition>  
ORDER BY <list of fields to sort on>
```


Demo: Table Creation

Raw Schema

Current_Student(sid, fname, lname, dob, cno, cname, credits, grade)

New_Student(sid, fname, lname, dob)

Class(tid, instructor, dept, cno, cname, credits)

First Question

Who takes CS327E or CS329E?

Current_Student(sid, fname, lname, dob, cno, cname, credits, grade)

New_Student(sid, fname, lname, dob)

Class(tid, instructor, dept, cno, cname, credits)

iClicker Question

Who takes CS327E or CS329E?

How many records does the answer return?

- A. 5
- B. 6
- C. 7

Second Question

Who takes CS327E and CS329E?

Current_Student(sid, fname, lname, dob, cno, cname, credits, grade)

New_Student(sid, fname, lname, dob)

Class(tid, instructor, dept, cno, cname, credits)

iClicker Question

Who takes CS327E and CS329E?

Is this query a correct implementation?

```
SELECT sid
FROM Takes
WHERE cno = 'CS327E'
      AND cno = 'CS329E'
```

- | |
|-------------------------|
| <p>A. Yes
B. No</p> |
|-------------------------|

Demo: Public Datasets and Import Errors

Milestone 2

<http://www.cs.utexas.edu/~scohen/milestones/Milestone2.pdf>