

CSE427s - 8 [P] Database  
Operations

100% (5/5)

- ✓ 1. The provided *relation* models links in a mini-web given by pairs of URLs where the first URL links to the second URL. In this relation **From** is an *attribute*.

- ☒ A True  
☐ B False

<i>From</i>	<i>To</i>
url1	url2
url1	url3
url2	url3
url2	url4

- ✓ 2. (**From**,**To**) is a *tuple*.

- ☐ A True  
☒ B False

<i>From</i>	<i>To</i>
url1	url2
url1	url3
url2	url3
url2	url4

- ⊘ 3. Compute the **Selection** for the condition  $C = (To=url3)$ .

Note that we can only count this as a **[P] (participation) quiz** for you if *all* your answers are reasonable attempts to **participate** in the class.

(from=url1,from=url2)

<i>From</i>	<i>To</i>
url1	url2
url1	url3
url2	url3
url2	url4



4. Compute the number of in-links of each URL.

(url2,1)  
(url3,2)  
(url4,1)

<i>From</i>	<i>To</i>
url1	url2
url1	url3
url2	url3
url2	url4



5. What operation did you perform?

- ☐ A selection and aggregation
- ☐ B projection and aggregation
- ☐ C union and aggregation
- ☐ D intersection and aggregation
- ☐ E difference and aggregation
- ☒ F grouping and aggregation
- ☐ G natural join



6. Identify the paths of length two in our mini-web.

- ☐ A (url2, url3, url4)
- ☒ B (url1, url2, url3)
- ☒ C (url1, url2, url4)
- ☐ D (url4, url2, url3)
- ☐ E (url2, url3, url2)

<i>From</i>	<i>To</i>
url1	url2
url1	url3
url2	url3
url2	url4



7. What operation did you perform?

- ☐ A selection and aggregation
- ☐ B projection and aggregation
- ☐ C union and aggregation
- ☐ D intersection and aggregation
- ☐ E difference and aggregation
- ☐ F grouping and aggregation
- ☒ G natural join