

New submission for: Lecture 11 Exercise

Due: 10/11/2020 @ 11:59 PM EDT

You are given the baking database:  
bakers(baker,fullname,age,occupation,hometown)  
episodes(id,title,firstaired,viewers7day,signature,technical,showstopper)  
results(episodeid,baker,result) technicals(episodeid,baker,rank)  
signatures(episodeid,baker,make)  
showstoppers(episodeid,baker,make)

For each question, enter your SQL query directly in the box. Do not forget to put a semicolon at the end.

1. Return the fullname of all bakers who competed in the signature challenge for making 'Madeleines', order by fullname ascending.

Press TAB to indent. Press ESC to advance from answer area.

```
SELECT
  b.fullname
FROM
  bakers b,
  signatures s
WHERE
  s.baker = b.baker AND
  s.make LIKE '%Madeleines%'
ORDER BY
  fullname;
```

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2. Return the maximum viewers7day day value for an episode. Name the attribute maxviewers.

Press TAB to indent. Press ESC to advance from answer area.

```
SELECT
  max(viewers7day) as maxviewers
FROM
  episodes;
```

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3. Return the maximum absolute difference in viewers7day day value between two consecutive episodes. Name the returned attribute maxviewerdiff.

Press TAB to indent. Press ESC to advance from answer area.

```
SELECT
  MAX (ABS (e1.viewers7day - e2.viewers7day)) as maxviewerdiff
FROM
  episodes e1,
  episodes e2
WHERE
  e1.id - e2.id = 1;
```

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4. Find the number of times each baker made a cake for a showstopper challenge (the word cake appears in the make attribute). Return the name of the baker, number of times they made a cake (name the attribute: numtimes). Order the results by numtimes descending and baker ascending.

Press TAB to indent. Press ESC to advance from answer area.

```
SELECT
  baker,
  count(baker) as numtimes
FROM
  showstoppers
WHERE
  lower(make) LIKE '%cake%'
GROUP BY
  baker
ORDER BY
  numtimes DESC,
  baker ASC;
```

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5. Return the id of episodes in which two contestants were eliminated. Order the results by id ascending.

Press TAB to indent. Press ESC to advance from answer area.

```
SELECT
  episodeid
FROM
  results
WHERE
  result = 'eliminated'
GROUP BY
  episodeid
HAVING
  count(*) > 1;
```

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Note: This version of your assignment will be graded by the instructor/TAs and the score recorded in the gradebook.

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