

Assignment 2B Feedback

```
SQL> ===== START RUN =====
SQL> -- Running T2-tas-select.sql
SQL>
SQL> @T2-tas-select.sql
SQL> --*****PLEASE ENTER YOUR DETAILS BELOW*****
SQL> --T2-tas-select.sql
SQL>
SQL> --Student ID:33429472
SQL> --Student Name:ZiqiPei
SQL> --Unit Code:FIT9132
SQL> --Applied Class No:A12
SQL>
SQL> /* Comments for your marker:
SQL>
SQL>
SQL>
SQL> */
SQL>
SQL> /*2(a)*/
SQL> -- PLEASE PLACE REQUIRED SQL STATEMENT FOR THIS PART HERE
SQL> -- ENSURE that your query is formatted and has a semicolon
SQL> -- (:) at the end of this answer
SQL>
SQL> SELECT
  2   t.town_id,
  3   town_name,
  4   pt.poi_type_id, ✓
  5   poi_type_descr,
  6   COUNT(poi_id) AS poi_count ✓
  7 FROM
  8   tsa.town t
  9   JOIN tsa.point_of_interest p
10   ON t.town_id = p.town_id
11   JOIN tsa.poi_type pt
12   ON pt.poi_type_id = p.poi_type_id ✓
13 GROUP BY
14   t.town_id, ✓
15   town_name,
16   pt.poi_type_id,
17   poi_type_descr
18 HAVING
19   COUNT(poi_id) > 1 ✓
20 ORDER BY
21   t.town_id,
22   poi_type_descr; ✓
```

TOWN_ID	TOWN_NAME	POI_TYPE_ID	POI_TYPE_DESCR	POI_COUNT
1	Byron Bay	3	Nature and Wildlife	3
2	Mudgee	2	Historic places and Museum	2
5	Alice Springs	3	Nature and Wildlife	3
6	Broome	2	Historic places and Museum	2
15	The Gap	2	Historic places and Museum	2

SQL>

Assignment 2B Feedback

```
SQL> /*2(b)*/
SQL> -- PLEASE PLACE REQUIRED SQL STATEMENT FOR THIS PART HERE
SQL> -- ENSURE that your query is formatted and has a semicolon
SQL> -- (;) at the end of this answer
SQL> SELECT
  2   o.member_id,
  3   TRIM(o.member_gname
  4         || ' ' ||
  5         o.member_fname) AS member_name,
  6   o.resort_id,
  7   r.resort_name,
  8   COUNT(n.member_id) AS number_of_recommendations
  9 FROM
 10     tsa.member o
 11 JOIN tsa.member n
 12   ON o.member_id = n.member_id_recby
 13 JOIN resort   r
 14   ON r.resort_id = o.resort_id
 15 GROUP BY
 16   o.member_id,
 17   o.member_gname,
 18   o.member_fname,
 19   o.resort_id,
 20   r.resort_name
 21 HAVING
 22   COUNT(n.member_id) = (
 23     SELECT
 24     MAX(COUNT(member_id))
 25     FROM
 26     tsa.member
 27     WHERE
 28     member_id_recby IS NOT NULL
 29     GROUP BY
 30     member_id_recby
 31   )
 32 ORDER BY
 33   o.resort_id,
 34   o.member_id;
  JOIN resort      r
    *
```

ERROR at line 13:
ORA-00942: table or view does not exist



```
SQL>
SQL>
SQL> /*2(c)*/
SQL> -- PLEASE PLACE REQUIRED SQL STATEMENT FOR THIS PART HERE
SQL> -- ENSURE that your query is formatted and has a semicolon
SQL> -- (;) at the end of this answer
SQL> SELECT
  2   p.poi_id,
  3   poi_name,
  4   nvl(to_char(MAX(review_rating)),
  5        'NR') AS max_rating,
  6   nvl(to_char(MIN(review_rating)),
```

Assignment 2B Feedback

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7      'NR') AS min_rating,
8      nvl(to_char(AVG(review_rating)),
9      'NR') AS avg_rating
10 FROM
11      tsa.point_of_interest p
12      JOIN tsa.review r
13      ON p.poi_id = r.poi_id
14 GROUP BY
15      p.poi_id,
16      poi_name
17 ORDER BY
18      p.poi_id;

```

[illegible]

14 rows selected.

```
SQL> /*2(d)*/
SQL> -- PLEASE PLACE REQUIRED SQL STATEMENT FOR THIS PART HERE
SQL> -- ENSURE that your query is formatted and has a semicolon
SQL> -- (;) at the end of this answer
SQL> SELECT
2     poi_name,
3     poi_type_descr,
4     town_name,
```

Assignment 2B Feedback

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5  lpad('Lat:'
6      || to_char(town_lat, '990.999999')
7      || 'Long:'
8      || to_char(town_long, '990.999999'),
9      35) AS town_location,
10 COUNT(review_id) AS reviews_completed,
11 CASE
12     WHEN COUNT(review_id) = 0 THEN
13     'No review completed'
14     ELSE
15     TRIM(to_char(COUNT(review_id) * 100 /(
16         SELECT
17         COUNT(review_id)
18         FROM
19         tsa.review
20     ),
21         '990.99')
22     || '%' )
23 END AS percent_of_reviews
24 FROM
25     tsa.town t
26 JOIN tsa.point_of_interest p
27 ON t.town_id = p.town_id
28 JOIN tsa.poi_type pt
29 ON p.poi_type_id = pt.poi_type_id
30 LEFT OUTER JOIN tsa.review r
31 ON p.poi_id = r.poi_id
32 GROUP BY
33     p.poi_id,
34     poi_name,
35     poi_type_descr,
36     town_name,
37     town_lat,
38     town_long
39 ORDER BY
40     town_name,
41     COUNT(review_id) DESC,
42     poi_name;
```

POI_NAME	POI_TYPE_DESCR	TOWN_NAME	TOWN_LOCATION REVIEWS_COMPLETED PERCENT_ OF_REVIEWS
-----	-----	-----	-----
-----	-----	-----	-----
Anzac Hill 3.880700	Nature and Wildlife	Alice Springs	Lat: -23.698000Long: 13 3 9.09%
Adelaide House 3.880700	Historic places and Museum	Alice Springs	Lat: -23.698000Long: 13 1 3.03%
Alice Springs Desert Park 3.880700	Nature and Wildlife	Alice Springs	Lat: -23.698000Long: 13 1 3.03%
Tanami Desert - NT 3.880700	Nature and Wildlife	Alice Springs	Lat: -23.698000Long: 13 0 No revie
w completed Broome Historical Museum 2.230400	Historic places and Museum	Broome	Lat: -17.964400Long: 12 2 6.06%

Assignment 2B Feedback

Sun Picture Gardens 2.230400	Historic places and Museum	Broome	Lat: -17.964400Long: 12 2 6.06%
Captain Gregory's House 2.230400	Art Gallery	Broome	Lat: -17.964400Long: 12 0 No review
w completed			
Bunya Mountains National Park 1.597200	Historic places and Museum	Bunya Mountains	Lat: -26.884500Long: 15 1 3.03%
Cape Byron Lighthouse 3.602000	Observatory	Byron Bay	Lat: -28.647400Long: 15 5 15.15%
Arakwal National Park 3.602000	Nature and Wildlife	Byron Bay	Lat: -28.647400Long: 15 2 6.06%
Julian Rocks Nguthungulli Nature Reserve 3.602000	Nature and Wildlife	Byron Bay	Lat: -28.647400Long: 15 1 3.03%
Broken Head Nature Reserve 3.602000	Nature and Wildlife	Byron Bay	Lat: -28.647400Long: 15 0 No review
w completed			
The Foundry Arts Space 4.744800	Art Gallery	Echuca	Lat: -36.146000Long: 14 1 3.03%
Gympie Gold Mining and Historical Museum 2.665700	Historic places and Museum	Gympie	Lat: -26.183400Long: 15 4 12.12%
Tanami Desert - WA 7.670100	Nature and Wildlife	Halls Creek	Lat: -18.222900Long: 12 0 No review
w completed			
Kingaroy Heritage Museum 1.840000	Historic places and Museum	Kingaroy	Lat: -26.530900Long: 15 3 9.09%
Mount Isa Underground Hospital and Museum 9.496200	Historic places and Museum	Mornington	Lat: -20.735400Long: 13 0 No review
w completed			
Woondum National Park 2.767700	Nature and Wildlife	Mothar Mountain	Lat: -26.247600Long: 15 0 No review
w completed			
Colonial Inn Museum 9.573300	Historic places and Museum	Mudgee	Lat: -32.614500Long: 14 0 No review
w completed			
Lawson Park 9.573300	Nature and Wildlife	Mudgee	Lat: -32.614500Long: 14 0 No review
w completed			
Mudgee Railway Station 9.573300	Historic places and Museum	Mudgee	Lat: -32.614500Long: 14 0 No review
w completed			
Alice Springs Telegraph Station Historical Reserve 3.881600	Historic places and Museum	Stuart	Lat: -23.676500Long: 13 3 9.09%
Wolfe Creek Meteorite Crater National Park 7.783700	Observatory	Sturt Creek	Lat: -19.349600Long: 12 0 No review
w completed			
Kingaroy Observatory 1.829200	Observatory	Taabinga	Lat: -26.593600Long: 15 4 12.12%
Fotheringham Park 2.444400	Nature and Wildlife	Taree	Lat: -31.889500Long: 15 0 No review
w completed			
Taree Court House 2.444400	Historic places and Museum	Taree	Lat: -31.889500Long: 15 0 No review
w completed			
Hard Times Mine Tour 2.953100	Historic places and Museum	The Gap	Lat: -27.443900Long: 15 0 No review
w completed			

Assignment 2B Feedback

Riversleigh Fossil Centre
2.953100
w completed

Historic places and Museum The Gap

Lat: -27.443900 Long: 15
0 No review

28 rows selected.

```
SQL>
SQL> /*2(e)*/
SQL> -- PLEASE PLACE REQUIRED SQL STATEMENT FOR THIS PART HERE
SQL> -- ENSURE that your query is formatted and has a semicolon
SQL> -- (;) at the end of this answer
SQL>
SQL> SELECT
  2     n.resort_id,
  3     resort_name,
  4     n.member_no,
  5     TRIM(n.member_gname
  6         || ' ' ||
  7         n.member_fname) AS member_name,
  8     to_char(n.member_date_joined, 'dd-month-yyyy') AS date_joined,
  9     o.member_no
 10     || ' ' ||
 11     TRIM(o.member_gname
 12         || ' ' ||
 13         o.member_fname) AS recommended_by_details,
 14     lpad('$' || SUM(mc_total),
 15         13) AS total_charges
 16 FROM
 17     tsa.member o
 18 JOIN tsa.member n
 19 ON o.member_id = n.member_id_recby
 20 JOIN tsa.resort r
 21 ON n.resort_id = r.resort_id
 22 JOIN tsa.town t
 23 ON t.town_id = r.town_id
 24 JOIN tsa.member_charge c
 25 ON n.member_id = c.member_id
 26 WHERE
 27     NOT ( upper(t.town_name) = 'BYRON BAY'
 28         AND upper(t.town_state) = 'NSW' )
 29 GROUP BY
 30     n.resort_id,
 31     resort_name,
 32     n.member_no,
 33     n.member_gname,
 34     n.member_fname,
 35     n.member_date_joined,
 36     o.member_no,
 37     o.member_gname,
 38     o.member_fname
 39 HAVING
 40     round(SUM(mc_total)) < (
 41         SELECT
 42             AVG(SUM(mc_total))
 43         FROM
 44             tsa.member_charge c
```

Assignment 2B Feedback

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45     WHERE
46     member_id IN (
47         SELECT
48         member_id
49         FROM
50         tsa.member m
51         WHERE
52         resort_id = n.resort_id
53     )
54     GROUP BY
55     member_id
56 )
57 ORDER BY
58     n.resort_id,
59     n.member_no;

```

RESORT_ID BY_DETAILS	RESORT_NAME	MEMBER_NO	MEMBER_NAME	DATE_JOINED	TOTAL_CHARGES	RECOMMENDED
----	-----	-----	-----	-----	-----	-----
sby	3 Alice Springs Resort	2	Dalley	02-july	-2022	1 Claire Bu
	3 Alice Springs Resort	3	Sofia Dobie	09-july	-2022	2 Dalley
					\$1540	
errier	7 Taree Exclusive Resort	3	Rose	15-may	-2021	1 Indiana P
					\$3625	

```

SQL>
SQL>
SQL> /*2(f)*/
SQL> -- PLEASE PLACE REQUIRED SQL STATEMENT FOR THIS PART HERE
SQL> -- ENSURE that your query is formatted and has a semicolon
SQL> -- (;) at the end of this answer
SQL>
SQL> SELECT
2     resort_id,
3     resort_name,
4     poi_name,
5     pt.town_name          AS poi_town,
6     pt.town_state         AS poi_state,
7     nvl(to_char(p.poi_open_time, 'hh:mi AM'),
8         'Not Applicable') AS poi_opening_time,
9     to_char(
10        SELECT
11        geodistance(pt.town_lat, pt.town_long, rt.town_lat, rt.town_long)
12        FROM
13        dual
14        ),
15        '990.0')
16        || 'KMS'          AS distance
17 FROM
18     tsa.point_of_interest p
19 JOIN tsa.town pt
20 ON p.town_id = pt.town_id
21 JOIN tsa.town rt

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Assignment 2B Feedback

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22  ON (
23      SELECT
24      geodistance(pt.town_lat, pt.town_long, rt.town_lat, rt.town_long)
25      FROM
26      dual
27      ) <= 100
28  JOIN tsa.resort r
29  ON rt.town_id = r.town_id
30  ORDER BY
31  r.resort_name,
32  distance ASC;

```

RESORT_ID	RESORT_NAME	POI_NAME	POI_TOWN
POI	POI_OPENING_TI	DISTANCE	
NT	3 Alice Springs Resort 07:30 AM	Alice Springs Desert Park	Alice Springs
NT	3 Alice Springs Resort 10:00 AM	Adelaide House	Alice Springs
NT	3 Alice Springs Resort Not Applicable	Anzac Hill	Alice Springs
NT	3 Alice Springs Resort Not Applicable	Tanami Desert - NT	Alice Springs
NT	3 Alice Springs Resort 08:00 AM	Alice Springs Telegraph Station Historical Reserve	Stuart
VIC	2 Amazing Resort 11:00 AM	The Foundry Arts Space	Echuca
WA	4 Awesome Resort 09:00 AM	Captain Gregory?s House	Broome
WA	4 Awesome Resort 06:00 PM	Sun Picture Gardens	Broome
WA	4 Awesome Resort 10:00 AM	Broome Historical Museum	Broome
NSW	10 Awesome Resort 09:00 AM	Mudgee Railway Station	Mudgee
NSW	10 Awesome Resort 10:00 AM	Colonial Inn Museum	Mudgee
NSW	10 Awesome Resort Not Applicable	Lawson Park	Mudgee
NSW	1 Byron Bay Exclusive Resort Not Applicable	Arakwal National Park	Byron Bay
NSW	1 Byron Bay Exclusive Resort 08:00 AM	Cape Byron Lighthouse	Byron Bay
NSW	1 Byron Bay Exclusive Resort Not Applicable	Julian Rocks Nguthungulli Nature Reserve	Byron Bay
NSW	1 Byron Bay Exclusive Resort Not Applicable	Broken Head Nature Reserve	Byron Bay
NSW	5 Byron Bay Super Resort Not Applicable	Broken Head Nature Reserve	Byron Bay
NSW	5 Byron Bay Super Resort Not Applicable	Arakwal National Park	Byron Bay
NSW	5 Byron Bay Super Resort Not Applicable	Julian Rocks Nguthungulli Nature Reserve	Byron Bay
NSW	5 Byron Bay Super Resort 08:00 AM	Cape Byron Lighthouse	Byron Bay

Assignment 2B Feedback

6 Gympie Luxury Resort	Gympie Gold Mining and Historical Museum	Gympie
QLD 09:00 AM 0.0KMS		
6 Gympie Luxury Resort	Woondum National Park	Mothar Mountain
QLD Not Applicable 12.4KMS		
6 Gympie Luxury Resort	Kingaroy Heritage Museum	Kingaroy
QLD 09:00 AM 90.9KMS		
6 Gympie Luxury Resort	Kingaroy Observatory	Taabinga
QLD 07:00 AM 95.0KMS		
8 King Resort at Kingaroy	Kingaroy Heritage Museum	Kingaroy
QLD 09:00 AM 0.0KMS		
8 King Resort at Kingaroy	Kingaroy Observatory	Taabinga
QLD 07:00 AM 7.1KMS		
8 King Resort at Kingaroy	Bunya Mountains National Park	Bunya Mountains
QLD Not Applicable 46.1KMS		
8 King Resort at Kingaroy	Gympie Gold Mining and Historical Museum	Gympie
QLD 09:00 AM 90.9KMS		
8 King Resort at Kingaroy	Woondum National Park	Mothar Mountain
QLD Not Applicable 97.6KMS		
9 Queen Resort	Mount Isa Underground Hospital and Museum	Mornington
QLD 10:00 AM 1.1KMS		
7 Taree Exclusive Resort	Fotheringham Park	Taree
NSW Not Applicable 0.0KMS		
7 Taree Exclusive Resort	Taree Court House	Taree
NSW 09:00 AM 0.0KMS		

32 rows selected.

SQL>

SQL> ----- END RUN -----

SQL> set echo off