

## Assignment 2 feedback for Zongcheng Du (1096319)

Criterion	Available marks	Your mark
<b>Question 1</b>		
SELECT User.name, COUNT(*)	2	2
JOIN conditions	2	2
Join proper tables	3	3
Group by user	3	3
Deductions (overly complex attempt or wrong solution layout)		
Total for Question 1	10	10
<b>Question 2</b>		
SELECT count(*)	1	1
Proper table - City	2	2
Subquery for state	4	4
Where cityname != 'Melbourne'	3	3
Deductions (overly complex attempt or wrong solution layout)		
Total for Question 2	10	10
<b>Question 3</b>		
SELECT User.id, User.name	1	1
Correct tables are joined	2	2
Correct join conditions	1	1
WHERE Gym.name = 'Academia'	1	1
Location.latitude >	1	1
subquery using 'Brunswick' in where clause	4	4
Deductions (overly complex attempt or wrong solution layout)		
Total for Question 3	10	10
<b>Question 4</b>		
SELECT count(*)	2	2
Join proper tables with inner join/join	3	3
Join conditions	2	2
where state= 'Vic'	3	3
Deductions (overly complex attempt or wrong solution layout)		
Total for Question 4	10	10
<b>Question 5</b>		
Numerator: Count(*) number of rows where gym is NULL	4	4

Criterion	Available marks	Your mark
Denominator: count all rows of User	4	4
multiple by 100 for percentage	2	2
Deductions (overly complex attempt or wrong solution layout)		
Total for Question 5	10	10
<b>Question 6</b>		
SELECT time	4	4
Using TIMEDIFF	8	8
First argument of TIMEDIFF subquery for last recorded location (or alternative)	4	4
Second argument of TIMEDIFF subquery for first recorded location (or alternative)	4	4
Deductions (overly complex attempt or wrong solution layout)		-1
Total for Question 6	20	19
<b>Question 7</b>		
SELECT registered, unregistered	5	5
Use AVG(NumLocations) if considering 'all users that track locations'; or equivalent	5	5
Joining right tables	5	5
COUNT(*)	5	5
Group by user	5	0
where gym is null/not null	5	5
Deductions (overly complex attempt or wrong solution layout)		0
Total for Question 7	30	25
<b>Question 8</b>		
SELECT DISTINCT User.name	3	3
Correct joins and correct tables	2	2
Where with sqrt function	7	7
POWER(longitude - 144.9630, 2)	7	7
POWER(latitude - -37.7990, 2)	7	7
SQRT multiplied by 100	2	2
condition to check < 0.1	2	0
Deductions (overly complex attempt or wrong solution layout)		0
Total for Question 8	30	28
<b>Question 9</b>		
SELECT distance	1	1
SQRT function used	2	2
POWER() function used	2	2

Criterion	Available marks	Your mark
Subquery for northern most location	6	6
Subquery for southern most location	6	6
Subquery for POWER(MAX(latitude) - MIN(latitude),2)	6	6
Correct tables joined - Location, User	3	3
WHERE name = 'Alice'	2	2
* 100 to compute distance	2	2
Deductions (overly complex attempt or wrong solution layout)		0
Total for Question 9	30	30
<b>Question 10</b>		
SELECT distance	2	2
Formula for distance calculation	10	10
Location self join or equivalent	6	6
JOIN condition subquery or equivalent	12	9
where A.user - subquery	10	10
Deductions (overly complex attempt or wrong solution layout)		-4.5
Total for Question 10	40	32.5
<b>Penalties</b>		
Late penalty (if applicable)		
<b>Overall mark for Assignment 2</b>	<b>200</b>	<b>184.5</b>