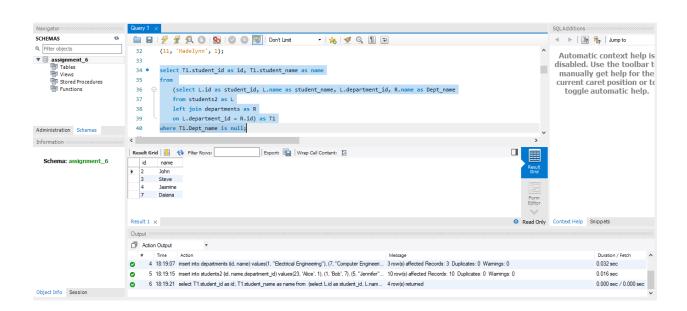Assignment-6

BUAN 6320: Database Foundations for Business Analytics
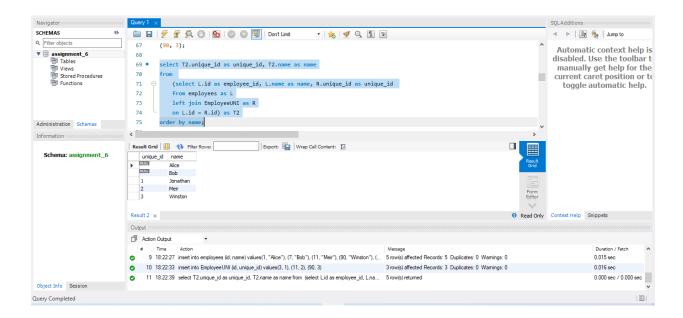
Submitted BY: Abhishek Arya

(NET ID: axa220149)

SOLUTION 1

SOLUTION 2

```
67      (90, 3);
68
69  •   select T2.unique_id as unique_id, T2.name as name
70      from
71          (select L.id as employee_id, L.name as name, R.unique_id as unique_id
72          from employees as L
73          left join EmployeeUNI as R
74          on L.id = R.id) as T2
75      order by name;
```

Result Grid

unique_id	name
NULL	Alice
NULL	Bob
1	Jonathan
2	Meir
3	Winston

Output — Action Output

	#	Time	Action	Message	Duration / Fetch
✓	9	18:22:27	insert into employees (id, name) values(1, "Alice"), (7, "Bob"), (11, "Meir"), (90, "Winston"), (...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.015 sec
✓	10	18:22:33	insert into EmployeeUNI (id, unique_id) values(3, 1), (11, 2), (90, 3)	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.015 sec
✓	11	18:22:39	select T2.unique_id as unique_id, T2.name as name from (select L.id as employee_id, L.na...	5 row(s) returned	0.000 sec / 0.000 sec

Query Completed

SOLUTION 3

```
116  •  select R.product_name , L.sum as unit
117     from(
118     (
119         select product_id, sum(unit) as sum
120         from orders2
121         where month(order_date) = 2
122         group by product_id
123         having sum >= 100) as L
124         left join products as R
```

Result Grid

product_name	unit
Leetcode Solutions	130
Leetcode Kit	100

Output — Action Output

	#	Time	Action	Message	Duration / Fetch
✓	4	18:37:07	select R.product_name , L.sum as unit from((select product_id, sum(unit) as sum from orders...	2 row(s) returned	0.000 sec / 0.000 sec
✗	5	18:37:52	select R.product_name , L.sum as unit from((select product_id, sum(unit) as sum from orders...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...	0.000 sec
✓	6	18:38:00	select R.product_name , L.sum as unit from((select product_id, sum(unit) as sum from orders...	2 row(s) returned	0.000 sec / 0.000 sec

Query Completed

```
120        from orders2
121        where month(order_date) = 2
122        group by product_id
123        having sum >= 100) as L
124        left join products as R
125        on L.product_id = R.product_id);
126
127
128    /* Problem 4 */
```

product_name	unit
Leetcode Solutions	130
Leetcode Kit	100

#	Time	Action	Message	Duration / Fetch
4	18:37:07	select R.product_name , L.sum as unit from((select product_id, sum(unit) as sum from orders...	2 row(s) returned	0.000 sec / 0.000 sec
5	18:37:52	select R.product_name , L.sum as unit from((select product_id, sum(unit) as sum from orders...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...	0.000 sec
6	18:38:00	select R.product_name , L.sum as unit from((select product_id, sum(unit) as sum from orders...	2 row(s) returned	0.000 sec / 0.000 sec

Query Completed

SOLUTION 4

```
171  •  select country_name ,
172     case
173     when avg(weather_state) <= 15 then "Cold"
174     when avg(weather_state) >= 25 then "Hot"
175     else "Warm"
176     end as weather_type
177     from(
178        select L.* , R.country_name
179        from weather as L
```

country_name	weather_type
USA	Cold
Australia	Cold
China	Warm
Peru	Hot
Morocco	Hot

#	Time	Action	Message	Duration / Fetch
19	18:24:25	insert into Countries (country_id, country_name) values(2, "USA"), (3, "Australia"), (7,"Peru"),...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.015 sec
20	18:24:25	insert into weather (country_id, weather_state, day) values(2, 15, '2019-11-01'), (2, 12, '201...	17 row(s) affected Records: 17 Duplicates: 0 Warnings: 0	0.016 sec
21	18:24:25	select country_name , case when avg(weather_state) <= 15 then "Cold" when avg(weather...	5 row(s) returned	0.000 sec / 0.000 sec

Query Completed

Query 1

Don't Limit

```
176      end as weather_type
177    ⊖ from(
178          select L.* , R.country_name
179          from weather as L
180          left join countries as R
181          on L.country_id = R.country_id) as T1
182    where month(day) = 11
183    group by country_name;
184
```

Result Grid   Filter Rows: Export: Wrap Cell Content:

country_name	weather_type
USA	Cold
Australia	Cold
China	Warm
Peru	Hot
Morocco	Hot

Result 4

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
19	18:24:25	insert into Countries (country_id, country_name) values(2, "USA"), (3, "Australia"), (7,"Peru"),...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.015 sec
20	18:24:25	insert into weather (country_id, weather_state, day) values(2, 15, '2019-11-01'), (2, 12, '201...	17 row(s) affected Records: 17 Duplicates: 0 Warnings: 0	0.016 sec
21	18:24:25	select country_name , case when avg(weather_state) <= 15 then "Cold" when avg(weather...	5 row(s) returned	0.000 sec / 0.000 sec

Query Completed