BUAN 6320
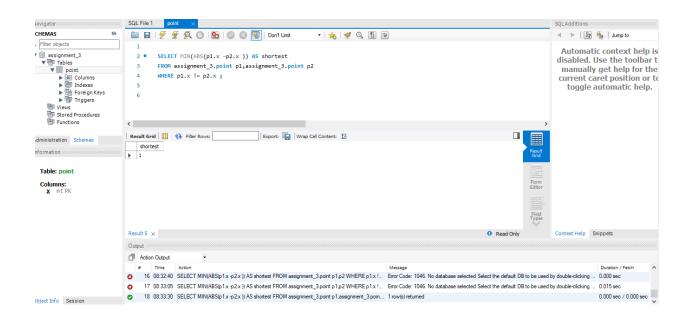# Database Foundation for Business Analytics

SUBMITTED BY
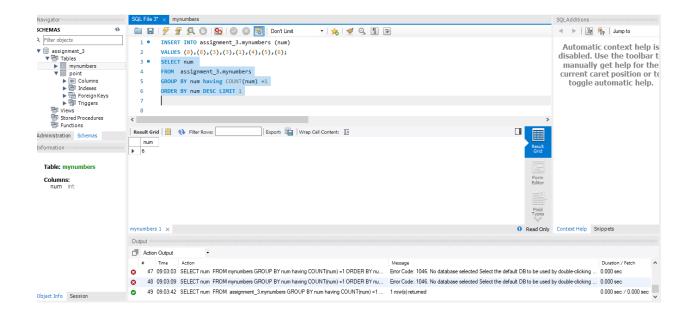
ABHISHEK ARYA (NET ID: axa220149)

ASSIGNMENT 3

#SOLUTION 1 #

#SOLUTION 2 #

Screenshot 1 (SQL File 3)

```
1   INSERT INTO assignment_3.mynumbers (num)
2   VALUES (8),(8),(3),(3),(1),(4),(5),(6);
3   SELECT num
4   FROM assignment_3.mynumbers
5   GROUP BY num having COUNT(num) =1
6   ORDER BY num DESC LIMIT 1
7
8
```

Result Grid

num
6

Output — Action Output

#	Time	Action	Message	Duration / Fetch
47	09:03:03	SELECT num FROM mynumbers GROUP BY num having COUNT(num) =1 ORDER BY nu...	Error Code: 1046. No database selected Select the default DB to be used by double-clicking ...	0.000 sec
48	09:03:09	SELECT num FROM mynumbers GROUP BY num having COUNT(num) =1 ORDER BY nu...	Error Code: 1046. No database selected Select the default DB to be used by double-clicking ...	0.000 sec
49	09:03:42	SELECT num FROM assignment_3.mynumbers GROUP BY num having COUNT(num) =1 ...	1 row(s) returned	0.000 sec / 0.000 sec

SOLUTION 3

Screenshot 2 (SQL File 4)

```
19  ALTER table Bonus
20  ADD FOREIGN KEY (empId)
21  REFERENCES Employee(empId);
22
23  SELECT Employee.name, Bonus.bonus
24  FROM Employee LEFT JOIN Bonus ON Employee.empId = Bonus.empId
25  WHERE Bonus.bonus< 1000 OR Bonus.bonus IS NULL
26  ORDER BY bonus;
```

Result Grid

name	bonus
John	NULL
Brad	NULL
Dan	500

Output — Action Output

#	Time	Action	Message	Duration / Fetch
97	05:18:48	SELECT Employee.name, Bonus.bonus FROM Employee LEFT JOIN Bonus ON Employee....	3 row(s) returned	0.000 sec / 0.000 sec
98	05:23:20	SELECT Employee.name, Bonus.bonus FROM Employee LEFT JOIN Bonus ON Employee....	3 row(s) returned	0.016 sec / 0.000 sec
99	07:07:18	SELECT Employee.name, Bonus.bonus FROM Employee LEFT JOIN Bonus ON Employee....	3 row(s) returned	0.000 sec / 0.000 sec

SOLUTION 4

SQL File 1*

```
10    FROM SalesPerson
11    WHERE name NOT IN
12         (SELECT DISTINCT SalesPerson.name
13          FROM SalesPerson, Orders, Company
14          WHERE Company.name = "RED"
15          AND SalesPerson.sales_id = Orders.sales_id
16          AND Orders.com_id = Company.com_id );
17
```

Navigator

SCHEMAS

Filter objects

assignment_3
  Tables
    bonus
    company
    employee
    mynumbers
    orders
    point
    salesperson
  Views
  Stored Procedures
  Functions

Administration   Schemas

Information

Schema: assignment_3

Result Grid   Filter Rows: Export: Wrap Cell Content:

name
Amy
Mark
Alex

SalesPerson 1

Read Only   Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	05:22:57	ALTER table Orders ADD FOREIGN KEY (com_id) REFERENCES Company(com_id)	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.078 sec
6	05:23:01	ALTER table Orders ADD FOREIGN KEY (sales_id) REFERENCES SalesPerson(sales_id)	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.062 sec
7	05:35:46	SELECT name FROM SalesPerson WHERE name NOT IN (SELECT DISTINCT Sales...	3 row(s) returned	0.016 sec / 0.000 sec

Object Info   Session