Assignment 3:

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D4P1: Write a SQL query to create a Suppliers table with the following fields.

Note: *Supplier_id should automatically generate (eg: 100,101,102,103…)*

Table Name: Suppliers

Column Name	Data Types
Supplier_id	Int
Supplier_name	Varchar(50)
Supplier_city	Varchar(50)
Spplier_Postcode	int
Supplier_Country	Varchar(50)
Supplier_Phno	Int
Supplier_email	Varchar(20)

Answer:

```sql
create table Suppliers (supplier_id int identity (100,1) primary
key, supplier_name varchar(50), supplier_city varchar(50),
supplier_postcode int, supplier_country varchar(50), supplier_phno
int, supplier_email varchar(20))
```

D4P2: Write a SQL query to insert any 10 Suppliers records.

Answer:

```sql
insert Suppliers (supplier_name, supplier_city, supplier_postcode,
supplier_country, supplier_phno, supplier_email)
values ('ABC Sdn Bhd', 'KL', '53300', 'MY', '012345678',
'abc@abcmail.com'),
('DEF Sdn Bhd', 'PJ', '53400', 'IN', '012312678',
'def@defmail.com'),
('GHI Sdn Bhd', 'KB', '99000', 'MY', '014445678',
'ghi@ghimail.com'),
('JKL Sdn Bhd', 'KK', '78000', 'SG', '012345678',
'jkl@jklmail.com'),
('MNO Sdn Bhd', 'KT', '65000', 'PH', '0163345678',
'mno@mnomail.com'),
('PQR Sdn Bhd', 'JB', '45000', 'SG', '012345678',
'pqr@pqrmail.com'),
('STU Sdn Bhd', 'AS', '23000', 'AU', '018745678',
'stu@stumail.com'),
('VWX Sdn Bhd', 'N9', '70000', 'IN', '012345678',
'vwx@vwxmail.com'),
('YZ Sdn Bhd', 'PD', '71000', 'MY', '014545678', 'yz@yzmail.com'),
('AWS Sdn Bhd', 'JB', '88000', 'MY', '012345678', 'aws@awsmail.com')
```
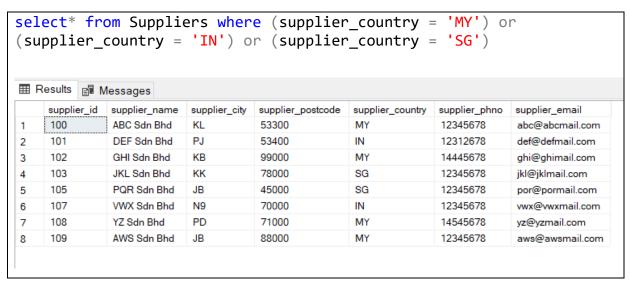
D4P3: Write a SQL query to display all Suppliers records.

Answer:

```sql
select* from Suppliers
```

▦ Results 🗐 Messages

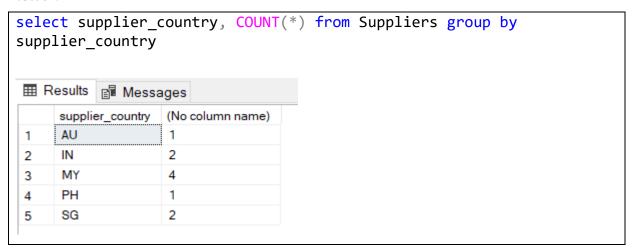|	supplier_id	supplier_name	supplier_city	supplier_postcode	supplier_country	supplier_phno	supplier_email
1	100	ABC Sdn Bhd	KL	53300	MY	12345678	abc@abcmail.com
2	101	DEF Sdn Bhd	PJ	53400	IN	12312678	def@defmail.com
3	102	GHI Sdn Bhd	KB	99000	MY	14445678	ghi@ghimail.com
4	103	JKL Sdn Bhd	KK	78000	SG	12345678	jkl@jklmail.com
5	104	MNO Sdn Bhd	KT	65000	PH	163345678	mno@mnomail.com
6	105	PQR Sdn Bhd	JB	45000	SG	12345678	pqr@pqrmail.com
7	106	STU Sdn Bhd	AS	23000	AU	18745678	stu@stumail.com
8	107	VWX Sdn Bhd	N9	70000	IN	12345678	vwx@vwxmail.com
9	108	YZ Sdn Bhd	PD	71000	MY	14545678	yz@yzmail.com
10	109	AWS Sdn Bhd	JB	88000	MY	12345678	aws@awsmail.com

D4P4: Write a SQL query to display supplier's records, Countries from the Malaysia, India and Singapore.

Answer:

```
select* from Suppliers where (supplier_country = 'MY') or
(supplier_country = 'IN') or (supplier_country = 'SG')
```

▦ Results   📄 Messages

	supplier_id	supplier_name	supplier_city	supplier_postcode	supplier_country	supplier_phno	supplier_email
1	100	ABC Sdn Bhd	KL	53300	MY	12345678	abc@abcmail.com
2	101	DEF Sdn Bhd	PJ	53400	IN	12312678	def@defmail.com
3	102	GHI Sdn Bhd	KB	99000	MY	14445678	ghi@ghimail.com
4	103	JKL Sdn Bhd	KK	78000	SG	12345678	jkl@jklmail.com
5	105	PQR Sdn Bhd	JB	45000	SG	12345678	por@pormail.com
6	107	VWX Sdn Bhd	N9	70000	IN	12345678	vwx@vwxmail.com
7	108	YZ Sdn Bhd	PD	71000	MY	14545678	yz@yzmail.com
8	109	AWS Sdn Bhd	JB	88000	MY	12345678	aws@awsmail.com

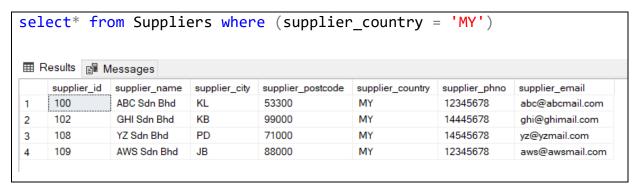**D4P5:** Write a SQL query to find number of suppliers in the respected countries and display country names also.

Answer:

```
select supplier_country, COUNT(*) from Suppliers group by
supplier_country
```

▦ Results   📄 Messages

	supplier_country	(No column name)
1	AU	1
2	IN	2
3	MY	4
4	PH	1
5	SG	2

D4P6: Write a SQL query to display only Malaysian supplier's records.

Answer:

```sql
select* from Suppliers where (supplier_country = 'MY')
```

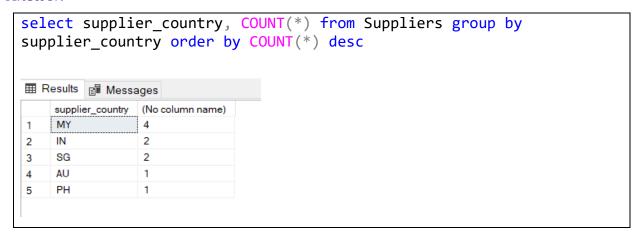|	supplier_id	supplier_name	supplier_city	supplier_postcode	supplier_country	supplier_phno	supplier_email
1	100	ABC Sdn Bhd	KL	53300	MY	12345678	abc@abcmail.com
2	102	GHI Sdn Bhd	KB	99000	MY	14445678	ghi@ghimail.com
3	108	YZ Sdn Bhd	PD	71000	MY	14545678	yz@yzmail.com
4	109	AWS Sdn Bhd	JB	88000	MY	12345678	aws@awsmail.com

D4P7: Write a SQL query to display the supplier_id, supplier_name and supplier_email who's from India.

Answer:

```sql
select  supplier_id,  supplier_name,  supplier_email  from  Suppliers
where (supplier_country = 'IN')
```
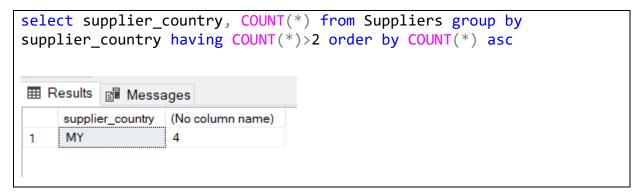
	supplier_id	supplier_name	supplier_email
1	101	DEF Sdn Bhd	def@defmail.com
2	107	VWX Sdn Bhd	vwx@vwxmail.com

D4P8: Write a SQL query to display number of suppliers in each country, sorted high to low.

Answer:

```sql
select supplier_country, COUNT(*) from Suppliers group by
supplier_country order by COUNT(*) desc
```

	supplier_country	(No column name)
1	MY	4
2	IN	2
3	SG	2
4	AU	1
5	PH	1

D4P9: Write a SQL query to display number of suppliers in each country, sorted low to high (Only include countries with more than 2 suppliers)

Answer:

```sql
select supplier_country, COUNT(*) from Suppliers group by
supplier_country having COUNT(*)>2 order by COUNT(*) asc
```

⊞ Results	🗐 Messages	
	supplier_country	(No column name)
1	MY	4

D4P10: Write a SQL query to display unique country for the suppliers.

Answer:

```sql
select distinct supplier_country from Suppliers
```

⊞ Results	🗐 Messages
	supplier_country
1	AU
2	IN
3	MY
4	PH
5	SG

******* ALL THE BEST *******