

1.

The screenshot shows a SQL IDE interface with four tabs: 'SQL File 7*', 'SQL File 15*', 'SQL File 16*', and 'SQL File 6*'. The active tab is 'SQL File 7*'. The toolbar includes icons for file operations, a 'Limit to 1000 rows' dropdown, and a 'Result Grid' button. The SQL query is as follows:

```
1 select count(order_id) as no_of_orders,  
2 sum(tax_amount) as total_tax_amt from orders;  
3  
4  
5
```

Below the query editor, the 'Result Grid' is displayed with the following data:

	no_of_orders	total_tax_amt
▶	9	122.24

2.

The screenshot shows the same SQL IDE interface. The active tab is 'SQL File 7*'. The SQL query is as follows:

```
1 • select c.category_name, count(p.product_id) as product_count,  
2 max(list_price) as expensive_product  
3 from categories c inner join products p  
4 where c.category_id=p.category_id  
5 group by c.category_name  
6
```

Below the query editor, the 'Result Grid' is displayed with the following data:

	category_name	product_count	expensive_product
▶	Basses	2	799.99
	Drums	2	799.99
	Guitars	6	2517.00

3.

SQL File 7* x SQL File 15* SQL File 16* SQL File 6*

Limit to 1000 rows

```

1 • select c.email_address as email, sum(o_i.item_price*o_i.quantity) as total_price,
2    sum(o_i.discount_amount*o_i.quantity) as total_discount
3    from customers c inner join orders o
4    on o.customer_id=c.customer_id
5    inner join order_items o_i on o.order_id=o_i.order_id group by c.email_address;
6

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

email	total_price	total_discount
allan.sherwood@yahoo.com	4131.00	1830.39
barryz@gmail.com	489.99	186.20
christineb@solarone.com	2398.00	719.40
david.goldstein@hotmail.com	998.00	209.70
erinv@gmail.com	299.00	0.00
frankwilson@sbcglobal.net	2198.98	659.70
gary_hernandez@yahoo.com	799.99	120.00

4.

SQL File 7* x SQL File 15* SQL File 16* SQL File 6*

Limit to 1000 rows

```

1 • select c.email_address as email, count(o.order_id) as total_orders,
2    sum((o_i.item_price-o_i.discount_amount)*o_i.quantity) as total_amount
3    from customers c inner join orders o
4    on o.customer_id=c.customer_id
5    inner join order_items o_i on o.order_id=o_i.order_id
6    group by c.email_address
7    having count(o.order_id)>1
8    order by sum((o_i.item_price-o_i.discount_amount)*o_i.quantity) desc;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

email	total_orders	total_amount
allan.sherwood@yahoo.com	3	2300.61
frankwilson@sbcglobal.net	3	1539.28
david.goldstein@hotmail.com	2	788.30

5.

The screenshot shows a SQL IDE with four tabs: SQL File 7*, SQL File 15*, SQL File 16*, and SQL File 6*. The active tab is SQL File 7*. The query editor contains the following SQL code:

```

1 • select c.email_address as email, count(o.order_id) as total_orders,
2     sum((o_i.item_price-o_i.discount_amount)*o_i.quantity) as total_amount
3     from customers c inner join orders o
4     on o.customer_id=c.customer_id
5     inner join order_items o_i on o.order_id=o_i.order_id where o_i.item_price > 400
6     group by c.email_address
7     having count(o.order_id)>1
8     order by sum((o_i.item_price-o_i.discount_amount)*o_i.quantity) desc;

```

Below the query editor is a toolbar with icons for file operations, a 'Limit to 1000 rows' dropdown, and a 'Result Grid' button. The 'Result Grid' is currently selected, displaying the following data:

	email	total_orders	total_amount
▶	allan.sherwood@yahoo.com	3	2300.61
	frankwilson@sbcglobal.net	3	1539.28

6.

The screenshot shows the same SQL IDE with the same tabs. The active tab is SQL File 7*. The query editor contains the following SQL code:

```

1 • select p.product_name,
2     sum((o_i.item_price-o_i.discount_amount)*o_i.quantity) as total_amount
3     from products p inner join orders o
4     on o.order_id = p.product_id
5     inner join order_items o_i on o.order_id=o_i.order_id
6     group by p.product_name with rollup;

```

Below the query editor is a toolbar with icons for file operations, a 'Limit to 1000 rows' dropdown, and a 'Result Grid' button. The 'Result Grid' is currently selected, displaying the following data:

	product_name	total_amount
▶	Fender Precision	1539.28
	Fender Stratocaster	839.30
	Gibson Les Paul	303.79
	Gibson SG	1461.31
	Hofner Icon	679.99
	Ludwig 5-piece Drum Set with Cymbals	489.30
	Rodriguez Caballero 11	299.00
	Washburn D10S	299.00
	Yamaha FG700S	1678.60
	NULL	7589.57

7.

The screenshot shows a SQL IDE with four tabs: SQL File 7*, SQL File 15*, SQL File 16*, and SQL File 6*. The active tab is SQL File 7*. The query editor contains the following SQL code:

```

1 • select c.email_address as email, count(distinct o_i.product_id) as total_orders
2   from customers c inner join orders o
3   on o.customer_id=c.customer_id
4   inner join order_items o_i on o.order_id=o_i.order_id
5   group by c.email_address
6   having count(distinct o_i.product_id)>1
7   order by c.email_address asc;

```

Below the query editor, the 'Result Grid' is displayed. It shows the results of the query in a table with two columns: 'email' and 'total_orders'.

email	total_orders
allan.sherwood@yahoo.com	3
david.goldstein@hotmail.com	2
frankwilson@sbcglobal.net	3

8.

The screenshot shows a SQL IDE with four tabs: SQL File 7*, SQL File 15*, SQL File 16*, and SQL File 6*. The active tab is SQL File 7*. The query editor contains the following SQL code:

```

1 • select if(grouping(c.category_name)=1,'Grand Total',c.category_name) as category_name,
2   if(grouping(p.product_name)=1,'-',p.product_name) as product_name,
3   count(o_i.quantity) as total_quantity
4   from categories c inner join products p
5   on p.category_id = c.category_id
6   inner join order_items o_i on p.product_id=o_i.product_id
7   group by c.category_name,p.product_name with rollup;
8

```

Below the query editor, the 'Result Grid' is displayed. It shows the results of the query in a table with three columns: 'category_name', 'product_name', and 'total_quantity'.

category_name	product_name	total_quantity
Basses	Fender Precision	1
Basses	-	1
Drums	Ludwig 5-piece Drum Set with Cymbals	1
Drums	Tama 5-Piece Drum Set with Cymbals	1
Drums	-	2
Guitars	Fender Stratocaster	2
Guitars	Gibson Les Paul	2
Guitars	Gibson SG	1
Guitars	Rodriguez Caballero 11	1
Guitars	Washburn D10S	2
Guitars	Yamaha FG700S	1
Guitars	-	9
Grand Total	-	12