# SQL_queries with Answer

## Enjoy :)

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**1. Report the number of orders grouped by their status**

```sql
SELECT status, COUNT(*) AS total_orders
FROM orders
GROUP BY status;
```

**2. Total payments grouped by customer**

```sql
select c.name,p.amount
from customer c join orders o on o.customer_id =c.id join payment p on o.id
=p.order_id
group by c.name,p.amount
```

**3. List the names and emails of customers who have never placed an order**

```sql
select id,name
from customer c
where id not in(
select distinct c2.id
from customer c2 join orders o on c2.id = o.customer_id
)
```

**4. Report products with low stock (less than 10)**

```sql
select p.name ,p.stock
from product p where p.stock<10
```

**5. Top 5 customers with the highest total payments**

```sql
select c.name,p.amount
from customer c join orders o on o.customer_id =c.id
join payment p on p.order_id =o.id
order by p.amount  desc
limit 5
```

**6. List of products that have never been ordered**

```sql
select p.name from
product p where p.id
not in(
```

```sql
select p.id from product p join order_item oi on p.id = oi.product_id
)
```

### 7. Total quantity sold for each product (based on order items)

```sql
select p.id, p.name,sum(oi.quantity) as "Total Payment"
from product p join order_item oi on p.id = oi.product_id
group by p.name,p.id, oi.quantity
order by "Total Payment" desc
```

### 8. Orders_id and Name of Who Order it that have no payment

```sql
select o.id,c.name from
orders o join customer c on o.customer_id = c.id  where o.id not in(
select o2.id from
orders o2 join payment p2 on o2.id = p2.order_id
)
```

### 9. Customers who have placed more than 3 orders

```sql
select customer_id, count(*) AS order_count
from orders
group by customer_id
HAVING count(*) > 3
```

### 10.      Average payment amount grouped by payment method

```sql
select payment_method, avg(amount) as AVG_Payment
from payment
group by payment_method
order by AVG_Payment desc
```