

```

with cte_sales as
(
select
orderDate,
customerName,
t1.customerNumber,
t1.orderNumber,
productCode,
creditLimit,
quantityOrdered * priceEach as sales_value
from orders t1
inner join orderdetails t2
on t1.orderNumber = t2.orderNumber
inner join customers t3
on t1.customerNumber = t3.customerNumber
),
running_total_sales_cte as
(
select *, lead(orderDate) over(partition by customerNumber order by orderDate)
as next_order_date
from
(
select orderDate,
orderNumber,
customerNumber,
customerName,
creditLimit,
sum(sales_value) as sales_value
from cte_Sales
group by
orderDate,
orderNumber,
customerNumber,
customerName,
creditLimit
)subquery
),
payments_cte as
(
select *
from payments),

main_cte as
(
select t1.*,
sum(sales_value) over(partition by t1.customerNumber order by orderDate) as
running_total_sales,
sum(amount) over(partition by t1.customerNumber order by orderDate) as
running_total_payments
from running_total_sales_cte t1
left join payments_cte t2
on t1.customerNumber = t2.customerNumber and t2.paymentDate between
t1.orderDate and case when t1.next_order_date is null then current_date() else

```

```
next_order_date end  
order by t1.customerNumber, orderDate  
)
```

```
select *, running_total_sales - running_total_payments as money_owned,  
creditLimit - (running_total_sales - running_total_payments) as difference  
from main_cte
```