

product_id	period_start	period_end	average_daily_sales	product_id	report_year	total_amount		with r_cte as (				
1	2019-01-25	2019-02-28	100	1	2019	3500		select min(period_start) as dates, max(period_end) as max_date from sales				
2	2018-12-01	2020-01-01	10	2	2018	310		union all				
3	2019-12-01	2020-01-31	1	2	2019	3650		select dateadd(day,1,dates) as dates, max_date from r_cte				
				2	2020	10		where dates<max_date )				
				3	2019	31						
				3	2020	31		select * from r_cte				
								join sales on dates between period_start and period_end				
								order by product_id,dates				
								option (maxrecursion 1000);				
								select				
								product_id,				
								year(dates) as report_year,				
								sum(average_daily_sales) as total_amount				
								from r_cte				
								join sales on dates between period_start and period_end				
								group by product_id,year(dates)				
								order by product_id,year(dates)				
								option (maxrecursion 1000);				