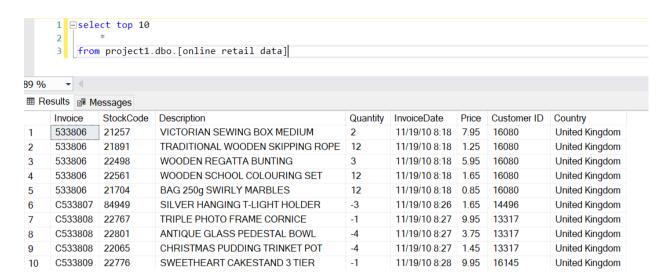
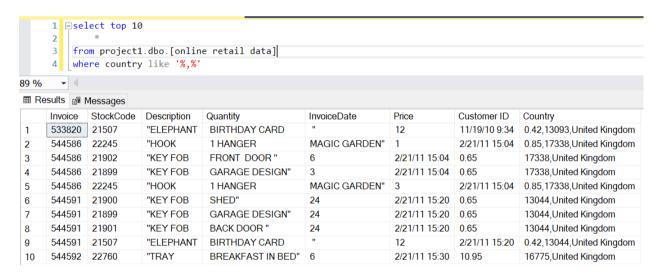
## 1. Data overview



There are 8 columns in total. There is no columns is Primary key but Invoice and StockCode combined make Primary key

## 2. Data problems

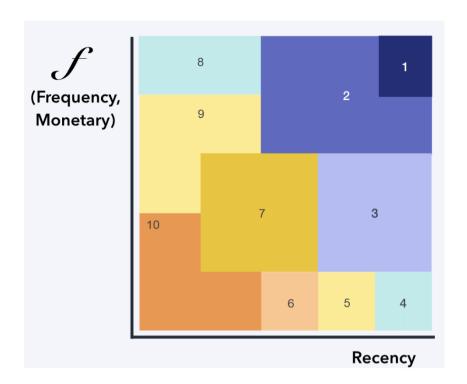


As we can see in the picture above, in some rows, parts of Description columns is in located in right columns, so the value of these columns also move to right, which make data come error.

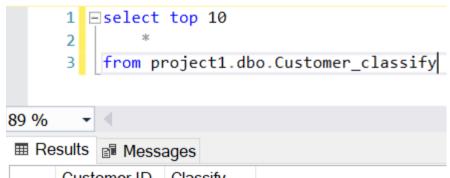
## 3. Classification method

Customers which have puchase value <=0 or product return count >= purchase count is classify as Alert. Other customers are clasified as below:

- 1. Champion
- 2. Loyal Customer
- 3. Promising
- 4. New Customers
- 5. Warm Leads
- 6. Cold Leads
- 7. Need Attention
- 8. Should't Lose
- 9. Sleepers
- 10. Lost



## 4. Outcome



	Customer ID	Classify
1	18102	Champion
2	14646	Champion
3	14156	Champion
4	14911	Champion
5	17450	Champion
6	13694	Champion
7	17511	Champion
8	12415	Champion
9	16684	Champion
10	15061	Champion

Final result