# Query to find the week wise sales of individual product and its inventory

```
SELECT Sales.Week,Sales.Product_id,Sales.product_name,Sales.Sales,Inventories.Current_Inventory
From
(SELECT Week,Sales.Product_id,product_name,Category_type,SUM(Sale) Sales
FROM
(Select Sales.Product_id,Product.product_name,Category.Category_type,Datepart(Week,sale_date) Week,sum(sale_quantity) Sale
FROM Product
  Join Sales on Product.Product_id=Sales.Product_id
  Join Category on Product.Category_id = Category.Category_id
GROUP BY  Sales.Product_id,Product.product_name,Category.Category_type,sale_date
ORDER BY  Sales.product_id,Product.product_name,Category.Category_type,Week
offset 0 rows) Sales
GROUP BY Week,Sales.Product_id,product_name,Category_type)Sales
Join
(SELECT Week,Product_id,product_name,Category_type,min(Inventory) Current_Inventory
FROM
(Select Product_Stock.Product_id,Product.product_name,Category.Category_type,Datepart(Week,stock_date) Week,min(Product_Stock.quantity_in_stock) Inventory
FROM Product
  Join Sales on Product.Product_id=Sales.Product_id
  Join Product_Stock on Sales.Product_id = Product_Stock.Product_id
  Join Category on Product.Category_id = Category.Category_id
GROUP BY  Product_Stock.Product_id,Product.product_name,Category.Category_type,stock_date
ORDER BY  Product_Stock.Product_id,Product.product_name,Category.Category_type,Week
offset 0 rows) Inventory
GROUP BY Week,Product_id,product_name,Category_type)Inventories
on Sales.week=Inventories.week and Inventories.Product_id=Sales.Product_id
```

| | Week | Product_id | product_name | Sales | Current_Inventory |
|---|---|---|---|---|---|
| 1 | 45 | 1 | COLDACT CAP | 25 | 75 |
| 2 | 45 | 4 | SOLVIN LS - 100ML | 2 | 98 |
| 3 | 45 | 11 | ACUVIN | 6 | 64 |
| 4 | 45 | 19 | HAFOOS - 75GM | 1 | 99 |
| 5 | 45 | 21 | CALPOL - 650MG | 30 | 120 |
| 6 | 45 | 30 | GLUCOSE - 400GM | 28 | 47 |
| 7 | 45 | 33 | BOOST - 200GM | 20 | 65 |
| 8 | 45 | 36 | CERELAC - 300GM | 4 | 66 |
| 9 | 45 | 47 | DABUR RED AYU... | 3 | 87 |
| 10 | 45 | 51 | HIMALAYA BABY ... | 15 | 50 |
| 11 | 45 | 55 | HIMALAYA BABY ... | 3 | 62 |
| 12 | 46 | 1 | COLDACT CAP | 25 | 50 |
| 13 | 46 | 3 | BROZEET - 100ML | 12 | 88 |
| 14 | 46 | 4 | SOLVIN LS - 100ML | 7 | 91 |
| 15 | 46 | 11 | ACUVIN | 4 | 60 |
| 16 | 46 | 19 | HAFOOS - 75GM | 3 | 96 |
| 17 | 46 | 21 | CALPOL - 650MG | 60 | 60 |
| 18 | 46 | 30 | GLUCOSE - 400GM | 25 | 22 |
| 19 | 46 | 33 | BOOST - 200GM | 35 | 30 |
| 20 | 46 | 36 | CERELAC - 300GM | 1 | 65 |
| 21 | 46 | 39 | CEREGROM MUL... | 9 | 61 |
| 22 | 46 | 44 | INDULEKHA HAI... | 5 | 85 |
| 23 | 46 | 47 | DABUR RED AYU... | 4 | 83 |