```
6        -- 2. ORDER BY: Most expensive products
7  •     SELECT Description, UnitPrice FROM transactions
```

sult Grid | Filter Rows: | Export: | Wrap Cell Content:

Description	UnitPrice
Manual	38970.00
AMAZON FEE	17836.46
AMAZON FEE	16888.02
AMAZON FEE	16453.71
AMAZON FEE	13541.33
AMAZON FEE	13541.33
AMAZON FEE	13541.33
AMAZON FEE	13474.79
AMAZON FEE	11586.50
Adjust bad debt	11062.06

```
1       -- TASK 3: SQL for Data Analysis
2  ●     use  ecommerce_db;
3       -- 1.  SELECT and WHERE
4  ●    SELECT * FROM transactions WHERE Country = 'United Kingdom' LIMIT 10;
5
6       -- 2. ORDER BY: Most expensive products
```

Result Grid | 🔢 | 🔁 Filter Rows: [_____] | Export: 🖫 | Wrap Cell Content: 🅰

InvoiceNo	StockCode	Description	Quantity	InvoiceDate	UnitPrice	CustomerID	Country

```
38  ⊖      HAVING SUM(Quantity * UnitPrice) > (
39              SELECT AVG(Total)
40  ⊖          FROM (
41                  SELECT SUM(Quantity * UnitPrice) AS Total
42                  FROM transactions
43                  GROUP BY CustomerID
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CustomerID
17850
13047
12583
15291
14688
17809
15311
14527
16029
12431
17511
13408
13767
17924

```sql
23   SELECT CustomerID, SUM(Quantity * UnitPrice) AS CustomerRevenue
24   FROM transactions
25   WHERE CustomerID IS NOT NULL
26   GROUP BY CustomerID
27   HAVING CustomerRevenue > 1000
28   ORDER BY CustomerRevenue DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

CustomerID	CustomerRevenue
14646	279489.02
18102	256438.49
17450	187482.17
14911	132572.62
12415	123725.45
14156	113384.14
17511	88125.38
16684	65892.08
13694	62653.10
15311	59419.34
13089	57385.88
14096	57120.91
15061	54228.74
17949	52750.84

```sql
19  •    SELECT ROUND(AVG(Quantity * UnitPrice), 2) AS AvgOrderValue
20       FROM transactions;
21
22       -- 5. HAVING vs WHERE
23  •    SELECT CustomerID, SUM(Quantity * UnitPrice) AS CustomerRevenue
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

AvgOrderValue
17.99

```sql
SELECT Country, ROUND(SUM(Quantity * UnitPrice), 2) AS TotalRevenue
FROM transactions
GROUP BY Country
ORDER BY TotalRevenue DESC;
```

Country	TotalRevenue
United Kingdom	8187806.36
Netherlands	284661.54
EIRE	263276.82
Germany	221698.21
France	197403.90
Australia	137077.27
Switzerland	56385.35
Spain	54774.58
Belgium	40910.96
Sweden	36595.91
Japan	35340.62
Norway	35163.46
Portugal	29367.02
Finland	22326.74

```sql
60   SELECT t.InvoiceNo, t.Description, p.Category
61   FROM transactions t
62   JOIN products p ON t.StockCode = p.StockCode;
63
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

InvoiceNo	Description	Category
536544	WHITE HANGING HEART T-LIGHT HOLDER	Home Decor
536557	RED WOOLLY HOTTIE WHITE HEART.	Winter Essentials
536557	KNITTED UNION FLAG HOT WATER BOTTLE	Winter Essentials
536575	WHITE HANGING HEART T-LIGHT HOLDER	Home Decor
536576	RED WOOLLY HOTTIE WHITE HEART.	Winter Essentials
536576	WHITE HANGING HEART T-LIGHT HOLDER	Home Decor
536584	RED WOOLLY HOTTIE WHITE HEART.	Winter Essentials
536590	WHITE HANGING HEART T-LIGHT HOLDER	Home Decor
536592	RED WOOLLY HOTTIE WHITE HEART.	Winter Essentials
536592	KNITTED UNION FLAG HOT WATER BOTTLE	Winter Essentials
536592	WHITE HANGING HEART T-LIGHT HOLDER	Home Decor
536594	WHITE HANGING HEART T-LIGHT HOLDER	Home Decor
536600	WHITE HANGING HEART T-LIGHT HOLDER	Home Decor
536600	WHITE METAL LANTERN	Home Decor

Result 6 ✕