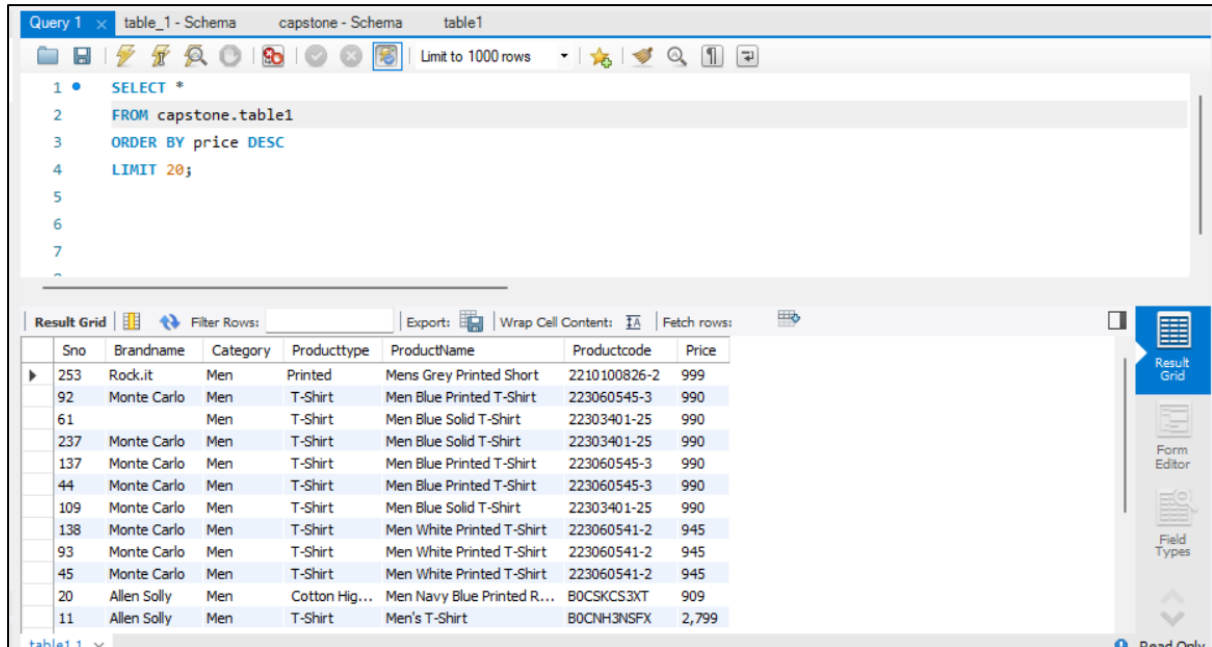


SQL Queries

Table1:

1) Write a query to **Retrieve the Top 20 Most Expensive Products**



Query 1 x table_1 - Schema capstone - Schema table1

Limit to 1000 rows

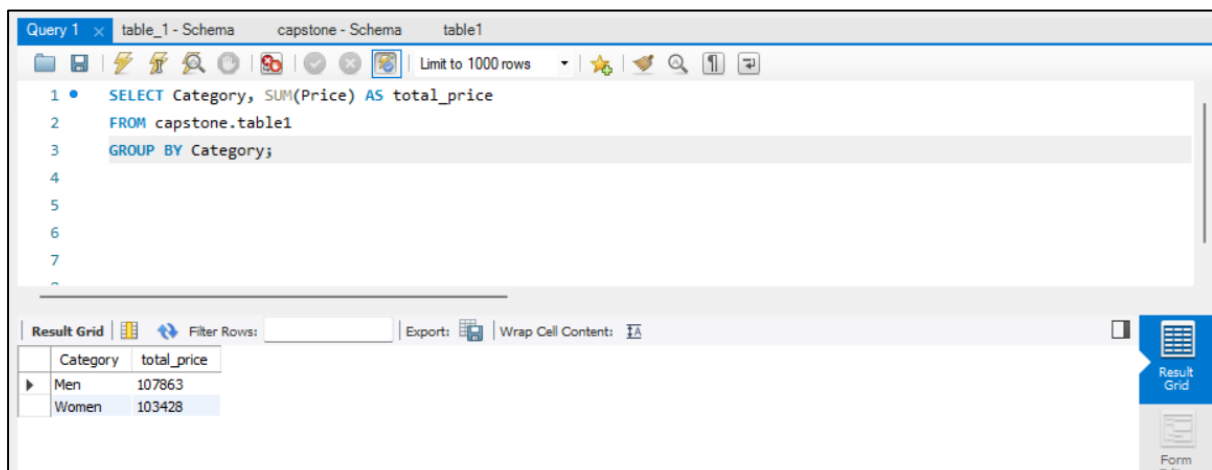
```
1 • SELECT *
2 FROM capstone.table1
3 ORDER BY price DESC
4 LIMIT 20;
```

Result Grid

Sno	Brandname	Category	Producttype	ProductName	Productcode	Price
253	Rock.it	Men	Printed	Mens Grey Printed Short	2210100826-2	999
92	Monte Carlo	Men	T-Shirt	Men Blue Printed T-Shirt	223060545-3	990
61		Men	T-Shirt	Men Blue Solid T-Shirt	22303401-25	990
237	Monte Carlo	Men	T-Shirt	Men Blue Solid T-Shirt	22303401-25	990
137	Monte Carlo	Men	T-Shirt	Men Blue Printed T-Shirt	223060545-3	990
44	Monte Carlo	Men	T-Shirt	Men Blue Printed T-Shirt	223060545-3	990
109	Monte Carlo	Men	T-Shirt	Men Blue Solid T-Shirt	22303401-25	990
138	Monte Carlo	Men	T-Shirt	Men White Printed T-Shirt	223060541-2	945
93	Monte Carlo	Men	T-Shirt	Men White Printed T-Shirt	223060541-2	945
45	Monte Carlo	Men	T-Shirt	Men White Printed T-Shirt	223060541-2	945
20	Allen Solly	Men	Cotton Hig...	Men Navy Blue Printed R...	B0CSKCS3XT	909
11	Allen Solly	Men	T-Shirt	Men's T-Shirt	B0CNH3NSFX	2,799

table1.1 x Read Only

2) Write a query **Calculate the Total Price for Each Category:**



Query 1 x table_1 - Schema capstone - Schema table1

Limit to 1000 rows

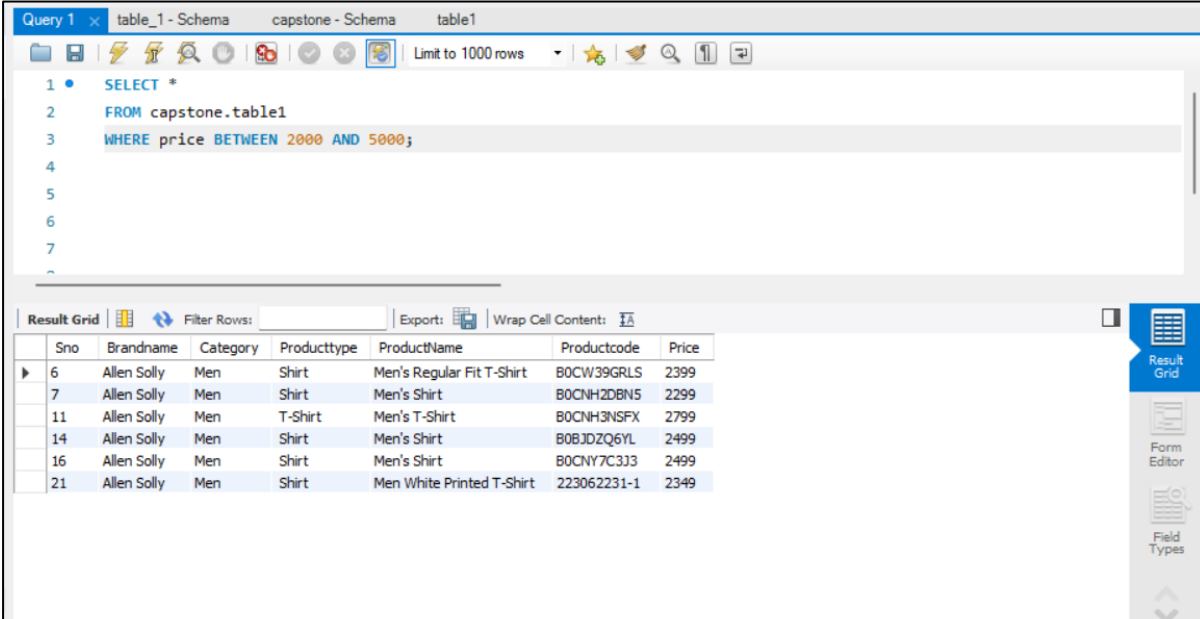
```
1 • SELECT Category, SUM(Price) AS total_price
2 FROM capstone.table1
3 GROUP BY Category;
```

Result Grid

Category	total_price
Men	107863
Women	103428

table1.1 x Read Only

3) Write a query to **Retrieve Products with a Price Range** 2000 to 5000



Query 1 x table_1 - Schema capstone - Schema table1

Limit to 1000 rows

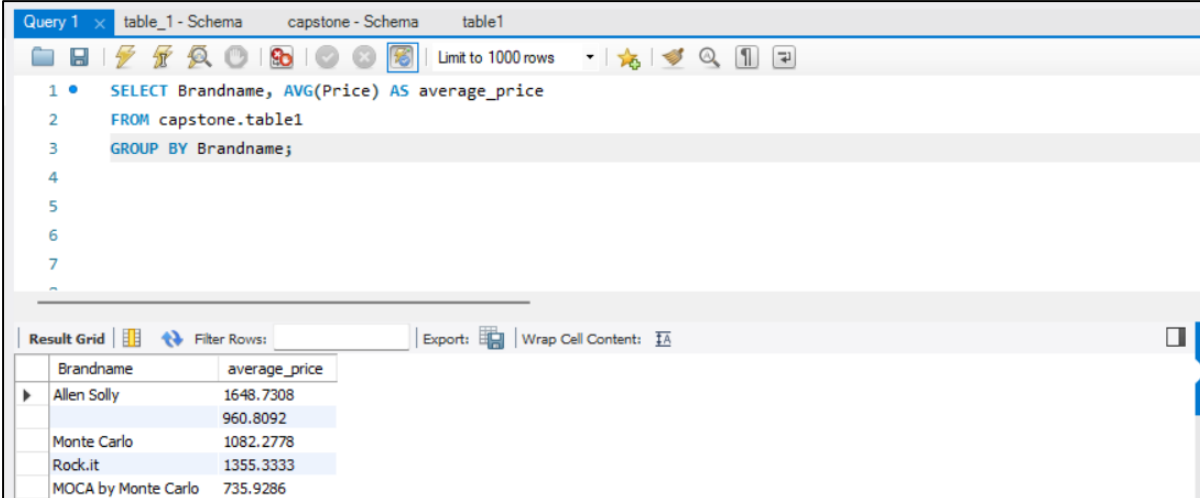
```
1 • SELECT *
2 FROM capstone.table1
3 WHERE price BETWEEN 2000 AND 5000;
```

Result Grid

	Sno	Brandname	Category	Producttype	ProductName	Productcode	Price
▶	6	Allen Solly	Men	Shirt	Men's Regular Fit T-Shirt	B0CW39GRLS	2399
	7	Allen Solly	Men	Shirt	Men's Shirt	B0CNH2DBN5	2299
	11	Allen Solly	Men	T-Shirt	Men's T-Shirt	B0CNH3NSFX	2799
	14	Allen Solly	Men	Shirt	Men's Shirt	B0BJDZQ6YL	2499
	16	Allen Solly	Men	Shirt	Men's Shirt	B0CNY7C3J3	2499
	21	Allen Solly	Men	Shirt	Men White Printed T-Shirt	223062231-1	2349

Result Grid
Form Editor
Field Types

4) Write a query to **Calculate the Average Price for Each Brand**



Query 1 x table_1 - Schema capstone - Schema table1

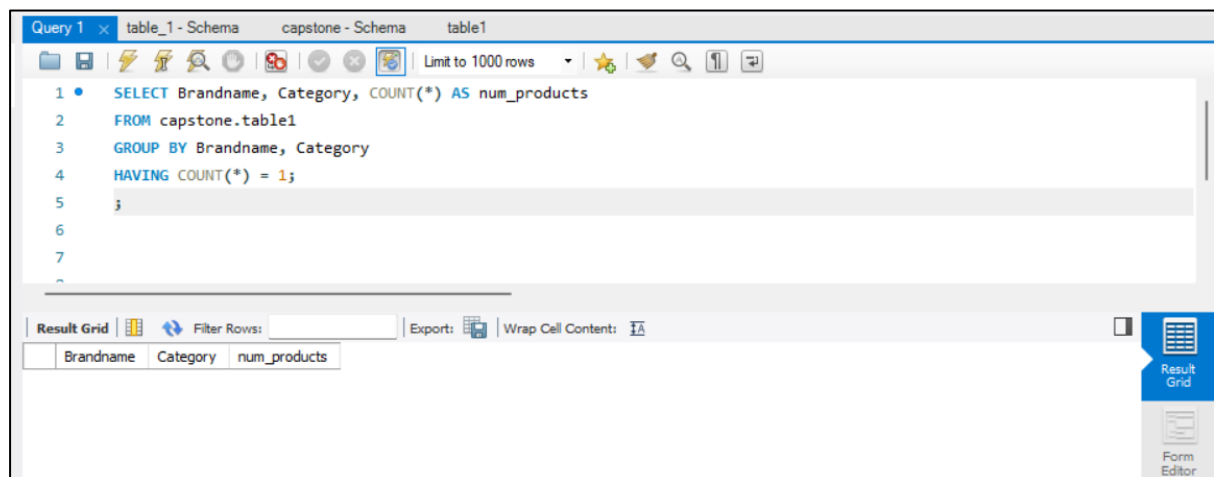
Limit to 1000 rows

```
1 • SELECT Brandname, AVG(Price) AS average_price
2 FROM capstone.table1
3 GROUP BY Brandname;
```

Result Grid

	Brandname	average_price
▶	Allen Solly	1648.7308
		960.8092
	Monte Carlo	1082.2778
	Rock.it	1355.3333
	MOCA by Monte Carlo	735.9286

5) Write a query to **find Products with Unique Brand-Category Combinations**



The screenshot shows a SQL query editor with the following query:

```

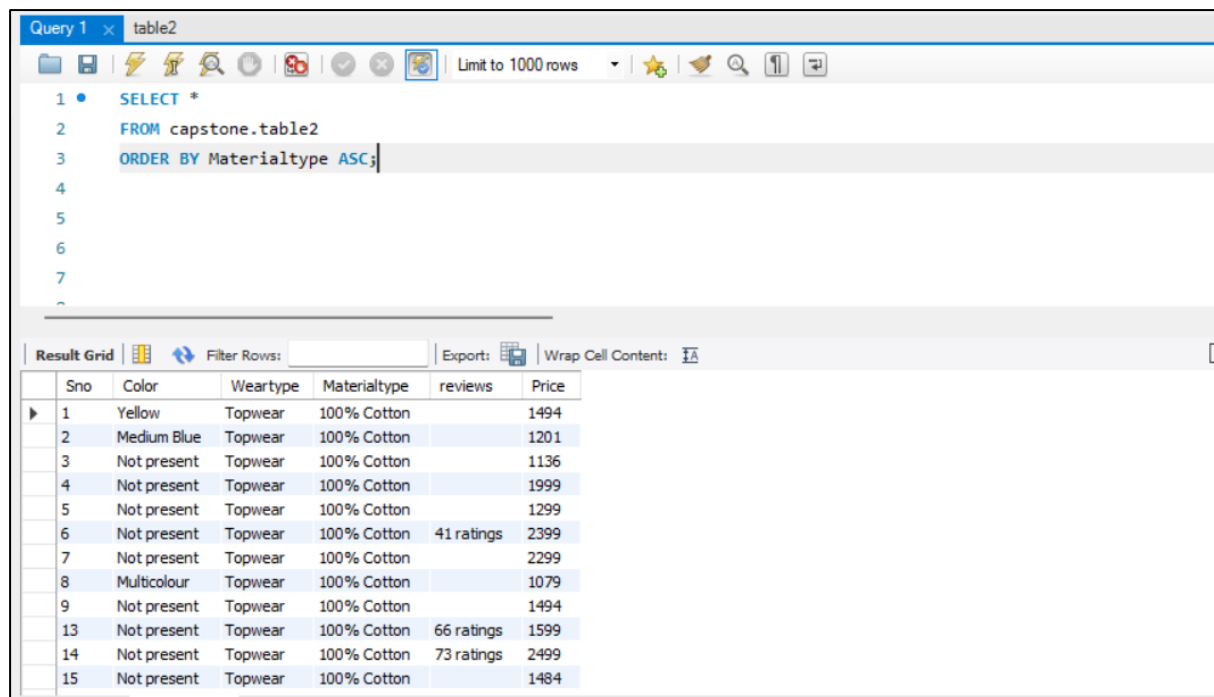
1 • SELECT Brandname, Category, COUNT(*) AS num_products
2 FROM capstone.table1
3 GROUP BY Brandname, Category
4 HAVING COUNT(*) = 1;
5
6
7

```

The interface includes a toolbar with icons for file operations, a 'Limit to 1000 rows' dropdown, and a 'Result Grid' button. Below the query editor, there is a 'Result Grid' section with columns: Brandname, Category, num_products.

Table2:

1) Write a query **Order Rows by Material Type in Ascending Order**.



The screenshot shows a SQL query editor with the following query:

```

1 • SELECT *
2 FROM capstone.table2
3 ORDER BY Materialtype ASC;
4
5
6
7

```

The interface includes a toolbar with icons for file operations, a 'Limit to 1000 rows' dropdown, and a 'Result Grid' button. Below the query editor, there is a 'Result Grid' section with columns: Sno, Color, Weartype, Materialtype, reviews, Price.

Sno	Color	Weartype	Materialtype	reviews	Price
1	Yellow	Topwear	100% Cotton		1494
2	Medium Blue	Topwear	100% Cotton		1201
3	Not present	Topwear	100% Cotton		1136
4	Not present	Topwear	100% Cotton		1999
5	Not present	Topwear	100% Cotton		1299
6	Not present	Topwear	100% Cotton	41 ratings	2399
7	Not present	Topwear	100% Cotton		2299
8	Multicolour	Topwear	100% Cotton		1079
9	Not present	Topwear	100% Cotton		1494
13	Not present	Topwear	100% Cotton	66 ratings	1599
14	Not present	Topwear	100% Cotton	73 ratings	2499
15	Not present	Topwear	100% Cotton		1484

2) Write a query to Calculate the Average Number of Reviews

The screenshot shows a SQL query editor with a single query: `SELECT AVG(reviews) AS average_reviews FROM capstone.table2;`. The result grid below the query shows a single row with the value `0.5772946859903382`.

```
1 • SELECT AVG(reviews) AS average_reviews
2 FROM capstone.table2;
```

average_reviews
0.5772946859903382

3) Write a query to Retrieve the Top 30 Most Expensive Products by Weartype:

The screenshot shows a SQL query editor with a query: `SELECT t2.Weartype, t1.Brandname, t1.Price FROM capstone.table1 t1 JOIN capstone.table2 t2 ON t1.Sno = t2.Sno ORDER BY t1.Price DESC LIMIT 30;`. The result grid shows the top 30 most expensive products, all of which are 'Topwear' from 'Allen Solly' or 'Monte Carlo'.

```
1 • SELECT t2.Weartype, t1.Brandname, t1.Price
2 FROM capstone.table1 t1
3 JOIN capstone.table2 t2 ON t1.Sno = t2.Sno
4 ORDER BY t1.Price DESC
5 LIMIT 30;
```

Weartype	Brandname	Price
Topwear	Allen Solly	2799
Topwear	Allen Solly	2499
Topwear	Allen Solly	2499
Topwear	Allen Solly	2399
Topwear	Allen Solly	2349
Topwear	Allen Solly	2299
Topwear	Allen Solly	1999
Topwear	Monte Carlo	1945
Topwear	Monte Carlo	1945

4) Write a query to Find Products with Similar Colors.

```

1 • SELECT t1.Brandname, t2.Color
2 FROM capstone.table1 t1
3 JOIN capstone.table2 t2 ON t1.Sno = t2.Sno
4 WHERE t2.Color IN (
5     SELECT Color
6     FROM capstone.table2
7     GROUP BY Color
8     HAVING COUNT(*) > 1
9 )
10

```

Brandname	Color
Allen Solly	Yellow
Allen Solly	Not present
Allen Solly	Not present
Allen Solly	Not present
Allen Solly	Not present
Allen Solly	Not present
Allen Solly	Multicolour
Allen Solly	Not present
Allen Solly	Not present

Result 9 x Read Only

5) Write a query to **Calculate the Total Price for Each Material Type.**

```

1 • SELECT t2.Materialtype, SUM(t1.Price) AS TotalPrice
2 FROM capstone.table1 t1
3 JOIN capstone.table2 t2 ON t1.Sno = t2.Sno
4 GROUP BY t2.Materialtype;
5
6
7
8
9
10

```

Materialtype	TotalPrice
100% Cotton	29449
60% Cotton, 40% Polyester	5394
85% Cotton and 15% Linen	2499
Cotton Blend	214533
Linen	8870
Not present	45808
Machine Wash	53166
Polyester Blend	9823
Polyester	29311

Result 10 x Read Only

Table3:

1) Write a query to **Order Rows by Return Time in Ascending Order.**

table3 SQL File 4*

```

1 SELECT *
2 FROM capstone.table3
3 ORDER BY Returntime ASC;
4

```

Result Grid

	Sno	Size1	Size2	Size3	Size4	Country of origin	Returntime	Occasion
	12	S	M	L	XL	India	10 day ret...	Birthday
	13	S	M	L	XL	India	10 day ret...	Birthday
	14	S	M	L	XL	India	10 day ret...	Birthday
	15	S	M	L	XL	India	10 day ret...	Birthday
	16	S	M	L	XL	India	10 day ret...	Birthday
	17	S	M	L	XL	India	10 day ret...	Birthday
	18	S	M	L	XL	India	10 day ret...	Birthday
	19	S	M	L	XL	India	10 day ret...	Birthday
	20	S	M	L	XL	India	10 day ret...	Birthday
	21	S	M	L	XL	India	10 day ret...	Birthday
	22	S	M	L	XL	India	10 day ret...	Birthday

Result Grid, Form Editor, Field Types

2) Write a query to find distinct country of origin .

table3 SQL File 5*

```

1 SELECT DISTINCT Countryoforigin
2 FROM capstone.table3;
3

```

Result Grid

Countryoforigin
India

Result Grid, Form Editor

3) Write a query to **Calculate the Average Return Time by Country of Origin.**

table3 SQL File 5*

```
1 • SELECT Countryoforigin, AVG(Returntime) AS avg_return_time  
2 FROM capstone.table3  
3 GROUP BY Countryoforigin;  
4  
5
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [A](#)

	Countryoforigin	avg_return_time
▶	India	0.2838427947598253
		0

Result Grid
Form Editor

4) Write a query to **Find Occasions with High Return Times.**

[illegible]

5) Write a query to **Retrieve Products with Multiple Sizes (Size1, Size2, Size3, Size4)**:

table1	table2	table3	SQL File 7*	SQL File 8*	table3
--------	--------	--------	-------------	-------------	--------


```

1 • SELECT t1.Brandname, t3.Size1, t3.Size2, t3.Size3, t3.Size4
2 FROM capstone.table1 t1
3 JOIN capstone.table3 t3 ON t1.Sno = t3.Sno
4 WHERE t3.Size1 IS NOT NULL OR t3.Size2 IS NOT NULL OR t3.Size3 IS NOT NULL OR t3.Size4 IS NOT NULL;
5
6
7
8
9
10

```


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

	Brandname	Size1	Size2	Size3	Size4
▶	Allen Solly	S	M	L	XL
	Allen Solly	S	M	L	XL
	Allen Solly	S	M	L	XL
	Allen Solly	S	M	L	XL
	Allen Solly	S	M	L	XL
	Allen Solly	S	M	L	XL
	Allen Solly	S	M	L	XL
	Allen Solly	S	M	L	XL
	Allen Solly	S	M	L	XL
	Allen Solly	S	M	L	XL

1) Write a query find Brandname, Category , Producttype ,ProductName with a **listed price greater than the average listed price** in table 1.

table1	table2	table3
--------	--------	--------


```

1 • SELECT Brandname, Category, Producttype, ProductName
2 FROM capstone.table1
3 WHERE Price > (
4     SELECT AVG(Price)
5     FROM capstone.table1
6 );
7

```


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

	Brandname	Category	Producttype	ProductName
▶	Allen Solly	Men	T-Shirt	Men's Shirt
	Allen Solly	Men	T-Shirt	Men's T-Shirt
	Allen Solly	Men	Sweatshirt	Men's Shirt
	Allen Solly	Men	Shirt	Men's Regular Fit T-Shirt
	Allen Solly	Men	T-Shirt	Men's Shirt
	Allen Solly	Men	Shirt	Men's Regular Fit T-Shirt
	Allen Solly	Men	Shirt	Men's Shirt
	Allen Solly	Men	Shirt	Men's Shirt
	Allen Solly	Men	T-Shirt	Men's Shirt
	Allen Solly	Men	Shirt	Men's Shirt
	Allen Solly	Men	T-Shirt	Men's T-Shirt
	Allen Solly	Men	Shirt	Men's Shirt

2) Write a query to list all Brandname, Category , Producttype ,ProductName along with their corresponding **color information** from Table2

table1	table2	table3	SQL File 7*	SQL File 8*
--------	--------	--------	-------------	-------------


```

1 • SELECT t1.Brandname, t1.Category, t1.Producttype, t1.ProductName, t2.Color
2 FROM capstone.table1 t1
3 INNER JOIN capstone.table2 t2 ON t1.Sno = t2.Sno;
4

```


Brandname	Category	Producttype	ProductName	Color
Allen Solly	Men	T-Shirt	Men's Shirt	Yellow
Allen Solly	Men	T-Shirt	Men's T-Shirt	Medium Blue
Allen Solly	Men	Sweatshirt	Men's Shirt	Not present
Allen Solly	Men	Shirt	Men's Regular Fit T-Shirt	Not present
Allen Solly	Men	T-Shirt	Men's Shirt	Not present
Allen Solly	Men	Shirt	Men's Regular Fit T-Shirt	Not present
Allen Solly	Men	Shirt	Men's Shirt	Not present
Allen Solly	Men	Shirt	Men's Shirt	Multicolour
Allen Solly	Men	T-Shirt	Men's Shirt	Not present
Allen Solly	Men	Shirt	Men's Shirt	Not present
Allen Solly	Men	T-Shirt	Men's T-Shirt	Not present
Allen Solly	Men	Shirt	Men's Shirt	Maroon

3) Write a query to find the **average reviews** for each Producttype ,ProductName using table 1 and table 2

table1	table2	table3	SQL File 7*	SQL File 8*
--------	--------	--------	-------------	-------------


```

1 • SELECT t1.Producttype, t1.ProductName, AVG(t2.reviews) AS AverageReviews
2 FROM capstone.table1 t1
3 LEFT JOIN capstone.table2 t2 ON t1.Sno = t2.Sno
4 GROUP BY t1.Producttype, t1.ProductName;
5
6

```


Producttype	ProductName	AverageReviews
T-Shirt	Men's Shirt	0
T-Shirt	Men's T-Shirt	18.666666666666668
Sweatshirt	Men's Shirt	0
Shirt	Men's Regular Fit T-Shirt	20.5
Shirt	Men's Shirt	9.5
T-Shirt	Men's Cotton High Neck Casual Zipper Sweatshirt	66
Shirt	Men's Regular Fit T-Shirt (ALPARGFI73968_Blue	0
Cotton High Neck Casual Zipper Sweatshirt	Men Navy Blue Printed Round Neck Half...	0
Shirt	Men White Printed T-Shirt	0
Regular Fit T-Shirt (ALPARGFI73968_Blue	Men Rust Orange Printed T-Shirt	0
Shirt	Men Yellow Printed T-Shirt	0
Shirt	Men Red Printed T-Shirt	0

4) Write a query to find products with a Product name, **material type** that matches the **most common material type** in (use table1 and table 2)

table1	table2	table3	SQL File 7*	SQL File 8*	table3
--------	--------	--------	-------------	-------------	--------


```

1 • SELECT t1.Producttype, AVG(t3.Returntime) AS AverageReturnTime
2 FROM capstone.table1 t1
3 JOIN capstone.table3 t3 ON t1.Sno = t3.Sno
4 GROUP BY t1.Producttype;
5
6
7
8
9

```


Result Grid	Filter Rows:	Export:	Wrap Cell Content: 1A
-------------	--------------	---------	-----------------------

Producttype	AverageReturnTime
T-Shirt	0.5970149253731343
Sweatshirt	10
Shirt	10
Cotton High Neck Casual Zipper Sweatshirt	10
Regular Fit T-Shirt (ALPARGFI73968_Blue	10
Short	0
Printed	0
Not present	0
Sweatshirt	0

7) Write a query to find Country of origin, return time ,occasion of each product type . (use table 1 and table 3)

table1	table2	table3	SQL File 7*	SQL File 8*	table3
--------	--------	--------	-------------	-------------	--------


```

1 • SELECT t1.Producttype, t3.CountryOforigin, t3.Returntime, t3.Occasion
2 FROM capstone.table1 t1
3 JOIN capstone.table3 t3 ON t1.Sno = t3.Sno;
4
5
6
7
8
9

```


Result Grid	Filter Rows:	Export:	Wrap Cell Content: 1A
-------------	--------------	---------	-----------------------

Producttype	CountryOforigin	Returntime	Occasion
T-Shirt	India	10 day return exchange	Birthday
T-Shirt	India	10 day return exchange	Birthday
Sweatshirt	India	10 day return exchange	Birthday
Shirt	India	10 day return exchange	Birthday
T-Shirt	India	10 day return exchange	Birthday
Shirt	India	10 day return exchange	Birthday
Shirt	India	10 day return exchange	Birthday
Shirt	India	10 day return exchange	Birthday
T-Shirt	India	10 day return exchange	Birthday

Result 6 x

Read Only

