

-- Show Table

```
SELECT * FROM supply_chain_data;
```

RESULT:

product_type	sku	price	availability	number_of_products_sold	revenue_generated	customer_demographics	stock_levels	lead_times	order_quantities	shipping_times	shipping_carriers	shipping_costs	supplier_name
haircare	SKU0	69.80800554211577	55	802	8661.996792392383	Non-binary	58	7	96	4	Carrier B	2.956572139430807	Supplier 3
skincare	SKU1	14.84352327508434	95	736	7460.900065445849	Female	53	30	37	2	Carrier A	9.71657477143131	Supplier 3
haircare	SKU2	11.319683293090566	34	8	9577.74962586873	Unknown	1	10	88	2	Carrier B	8.054479261732155	Supplier 1
skincare	SKU3	61.163343016437736	68	83	7766.836425685233	Non-binary	23	13	59	6	Carrier C	1.7295685635434288	Supplier 5
skincare	SKU4	4.805496036345893	26	871	2686.505151567447	Non-binary	5	3	56	8	Carrier A	3.890547915870672	Supplier 1
haircare	SKU5	1.6999760138659377	87	147	2828.348745975759	Non-binary	90	27	66	3	Carrier B	4.444098864382293	Supplier 4
skincare	SKU6	4.078332863107945	48	65	7823.476559531737	Male	11	15	58	8	Carrier C	3.880763302952003	Supplier 3
cosmetics	SKU7	42.95838438246007	59	426	8496.103813089838	Female	93	17	11	1	Carrier B	2.3483387844177805	Supplier 4
cosmetics	SKU8	68.71759674852733	78	150	7517.363210631127	Female	5	10	15	7	Carrier C	3.4047338570830266	Supplier 4
skincare	SKU9	64.01573294127854	35	980	4971.145987585558	Unknown	14	27	83	1	Carrier A	7.166645291048216	Supplier 2
skincare	SKU10	15.707795681912138	11	996	2330.965802091949	Non-binary	51	13	80	2	Carrier C	8.673211211278613	Supplier 5
skincare	SKU11	90.6354998228868	95	960	6099.944115581452	Female	46	23	60	1	Carrier A	4.523943124316663	Supplier 2
haircare	SKU12	71.21338907536008	41	336	2873.741460214413	Unknown	100	30	85	4	Carrier A	1.325274010184522	Supplier 4
skincare	SKU13	16.160393317579977	5	249	4052.738416237866	Male	80	8	48	9	Carrier A	9.537283061108338	Supplier 5
skincare	SKU14	99.1713286386242	26	562	8653.570926469802	Non-binary	54	29	78	5	Carrier B	2.039770189449332	Supplier 1

-- Calculate the total revenue generated for each product type

```
SELECT product_type, ROUND(SUM(revenue_generated),2)
```

```
AS revenue_generated
```

```
FROM supply_chain_data
```

```
GROUP BY 1
```

```
ORDER BY 2 DESC;
```

RESULT:

product_type	revenue_generated
skincare	241628.16
haircare	174455.39
cosmetics	161521.27

-- Identify the top 10 product with the highest number of units sold

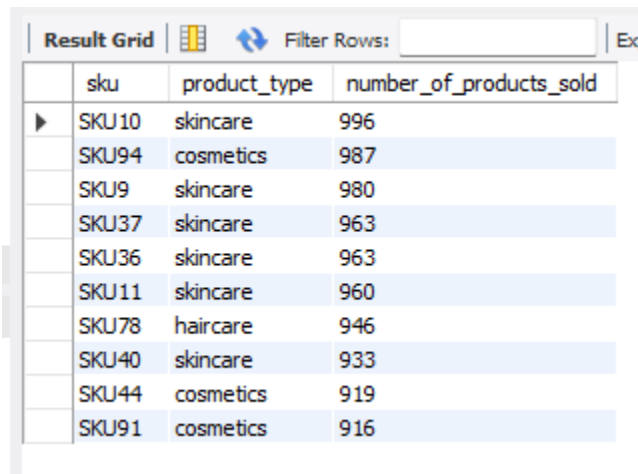
```
SELECT sku, product_type, number_of_products_sold
```

```
FROM supply_chain_data
```

```
ORDER BY number_of_products_sold DESC
```

```
LIMIT 10;
```

RESULT:



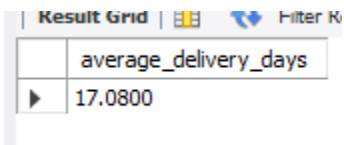
	sku	product_type	number_of_products_sold
▶	SKU10	skincare	996
	SKU94	cosmetics	987
	SKU9	skincare	980
	SKU37	skincare	963
	SKU36	skincare	963
	SKU11	skincare	960
	SKU78	haircare	946
	SKU40	skincare	933
	SKU44	cosmetics	919
	SKU91	cosmetics	916

-- Average amount of days it takes for a supplier to deliver products

```
SELECT AVG(lead_time) AS average_delivery_days
```

```
FROM supply_chain_data;
```

RESULT:



	average_delivery_days
▶	17.0800

-- Identify the top 5 suppliers with the highest defect rates

```
SELECT supplier_name,
```

```
    AVG(defect_rates) AS avg_defect_rate
```

```
FROM supply_chain_data
```

```
GROUP BY supplier_name
```

```
ORDER BY avg_defect_rate DESC
```

```
LIMIT 3;
```

RESULT:

	supplier_name	avg_defect_rate
▶	Supplier 5	2.6654083441492014
	Supplier 3	2.46578603076447
	Supplier 2	2.3627501450718813
	Supplier 4	2.33739740059134
	Supplier 1	1.8036297116882525

-- Identify the supplier, product and product type with the lowest defect rates

```
SELECT supplier_name,  
       sku,  
       product_type,  
       defect_rates  
FROM supply_chain_data  
ORDER BY defect_rates ASC  
LIMIT 1;
```

RESULT:

	supplier_name	sku	product_type	defect_rates
▶	Supplier 5	SKU21	cosmetics	0.0186075676310149