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1 • create database if not exists ecommerce;
2
3 • use ecommerce;
4
5 • SELECT * FROM ecommerce_dataset LIMIT 10;
6
7
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ProductID	ProductCategory	Brand	Color	Size	Season	Material	Country	Price	Discount	Rating	Reviews
1	home	Brand C	Blue	L	Summer	Cotton	UK	146.57616715253735	0.2195420850707428	3.750730340147607	9.403994946418887
2	sports	Brand C	Red	S	Winter	Polyester	USA	190.26111132944675	0.2718711764669383	6.033801660689289	24.006522246268563
3	electronics	Brand C	Blue	M	Summer	Cotton	UK	111.33394659740787	0.21154141776671673	3.9705798720138015	17.958795869141156
4	home	Brand C	Blue	XL	Fall	Leather	Germany	140.6232309644137	0.23692181250104336	4.405568716644529	31.62646772861801
5	home	Brand C	Black	XL	Winter	Cotton	UK	145.80937423173202	0.1772964333941789	3.3149057749532425	36.108282002183394
6	sports	Brand A	Blue	S	Winter	Polyester	Germany	158.62301231287262	-0.05899960895836757	4.217197809681213	28.533527957171128
7	electronics	Brand C	Black	M	Summer	Cotton	UK	123.80185612851136	0.20928281569521337	3.156018825757763	18.28888097457583
8	electronics	Brand C	Black	S	Spring	Polyester	Canada	93.53224867023845	0.2001417721451659	3.3727894386934123	24.823363913127885
9	home	Brand A	Green	M	Winter	Wool	USA	111.9692116638688	-0.03774692239122726	4.9188165554764901	26.183198054835838
10	clothing	Brand A	Green	S	Summer	Polyester	Germany	17.77167384974315	-0.003522492040844552	5.104434900804008	25.629061596883872

```
7 • SELECT *
8 FROM ecommerce_dataset
9 ORDER BY Price DESC
10 LIMIT 10;
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ProductID	ProductCategory	Brand	Color	Size	Season	Material	Country	Price	Discount	Rating	Reviews
3146	sports	Brand C	Blue	L	Summer	Wool	Germany	219.08809139303978	0.2719761170813893	3.6531368037401037	11.061208982822269
2511	sports	Brand C	Red	M	Winter	Polyester	Germany	216.27920375631874	0.2886574952349595	5.705880742973872	22.516079716062986
884	sports	Brand C	Blue	M	Fall	Cotton	Germany	213.91555511680826	0.19056808709897344	4.008098854455645	18.29277839640423
4023	sports	Brand C	Blue	M	Spring	Cotton	Canada	212.305415391685	0.19864474023154224	4.006066029066074	20.8744652720302
3890	sports	Brand C	Green	XL	Winter	Cotton	Germany	212.20321940642344	0.19099093886281993	5.4285865821065205	34.44053208066624
2909	sports	Brand C	Black	L	Fall	Polyester	Canada	211.41989730499827	0.17583570654011912	2.8827603783191473	5.943287183814794
554	sports	Brand C	Red	S	Summer	Leather	Canada	211.11759782255217	0.3145813593356963	6.221263047065338	24.396949933865464
4306	sports	Brand C	Green	S	Winter	Wool	USA	210.92269529283772	0.237398689237789	5.4746097923850074	29.474800651849996
3861	sports	Brand C	Red	M	Fall	Wool	Germany	210.20975823441293	0.28086461065400636	6.000647097338554	13.771474885204913
4475	sports	Brand C	Blue	L	Summer	Cotton	USA	210.0420107151782	0.160493886607955	3.7366828788824887	11.0037040155894101

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11
12 • SELECT *
13 FROM ecommerce_dataset
14 WHERE ProductCategory = 'Clothing';
```

ProductID	ProductCategory	Brand	Color	Size	Season	Material	Country	Price	Discount	Rating	Reviews
10	clothing	Brand A	Green	S	Summer	Polyester	Germany	17.72167384974315	-0.003522492040844552	5.104434900804008	25.629061596883872
21	clothing	Brand A	Red	M	Summer	Leather	USA	35.34899334034722	0.01955808130468767	5.9503764467708224	16.128545838071965
23	clothing	Brand B	Blue	M	Spring	Leather	UK	66.379324494047	0.06355599537689696	4.0537355917003	20.322375283680636
26	clothing	Brand C	Black	S	Spring	Polyester	USA	68.9325943198701	0.1462718463710848	3.134529281097632	25.970417992902462
27	clothing	Brand B	Red	S	Spring	Cotton	Germany	41.30617144031149	0.13116003102950538	6.100195072677239	21.708950874304684
28	clothing	Brand B	Blue	M	Summer	Cotton	Canada	46.93699754382549	0.08714100486502553	3.7811104723411613	20.980651528696143
34	clothing	Brand B	Black	XL	Fall	Wool	USA	46.848544464520614	0.057904847473571074	3.456872942076523	28.900251615241604
35	clothing	Brand B	Red	L	Summer	Cotton	USA	40.042804174129806	0.15128918195731272	5.594537088001446	12.11348642721473
43	clothing	Brand B	Red	XL	Spring	Polyester	USA	49.653407152324334	0.1453190009454001	6.385029309232834	30.58195281108659
49	clothing	Brand A	Blue	S	Summer	Polyester	Canada	73.5840417017408134	0.07704840311056087	4.2105090133781137	25.60040801781803

ecommerce\_dataset 4   ecommerce\_dataset 5   ecommerce\_dataset 6   x   Read Only

ProductID	TotalSold
2616	626.1290017139681
2497	604.2971145459784
144	601.4681734779639
3599	591.1869787454224
3890	587.5472737476663
3269	586.9242686805792
2511	584.8922024395465
521	582.1315438151178
419	576.5591158151185
1547	572.6670029640525
4706	560.4473855113504

ecommerce\_dataset 7   ecommerce\_dataset 8   ecommerce\_dataset 9   Result 10   x   Read Only

20

21 • SELECT ProductCategory, AVG(Price) AS AvgPrice

22 FROM ecommerce\_dataset

23 GROUP BY ProductCategory;

24

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Result Grid											
Filter Rows:											
Export: Wrap Cell Content: Fetch rows:											
ProductID	ProductCategory	Brand	Color	Size	Season	Material	Country	Price	Discount	Rating	Reviews
1	home	Brand C	Blue	L	Summer	Cotton	UK	146.57616715253735	0.2195420850707428	3.750730340147607	9.403994946418887
2	sports	Brand C	Red	S	Winter	Polyester	USA	190.26111132944675	0.2718711764669383	6.033801660689289	24.006522246268563
3	electronics	Brand C	Blue	M	Summer	Cotton	UK	111.33394659740787	0.21154141776671673	3.9705798720138015	17.958795869141156
4	home	Brand C	Blue	XL	Fall	Leather	Germany	140.6232309644137	0.23692181250104336	4.405568716644529	31.62646772861801
5	home	Brand C	Black	XL	Winter	Cotton	UK	145.80937423173202	0.1772964333941789	3.3149057749532425	36.108282002183394
6	sports	Brand A	Blue	S	Winter	Polyester	Germany	158.62301231287262	-0.05899960895836757	4.217197809681213	28.533527957171128
7	electronics	Brand C	Black	M	Summer	Cotton	UK	123.80185612851136	0.20928281569521337	3.156018825757763	18.28888097457583
9	home	Brand A	Green	M	Winter	Wool	USA	111.9692116638688	-0.03774692239122726	4.918816554764901	26.183198054835838
11	home	Brand A	Red	L	Summer	Leather	Canada	128.8538123961806	0.005615142244984984	5.6834318316945645	10.840154443971162
12	home	Brand A	Blue	S	Spring	Polyester	Germany	129.59501214381677	-0.07988657475976865	4.216465613573233	22.67093423537911

26

27 • SELECT ProductID, ProductCategory, Brand, SalesVolume, MonthlySales

28 FROM ecommerce\_dataset

29 ORDER BY SalesVolume DESC

30 LIMIT 1000;

Result Grid											
Filter Rows:											
Export: Wrap Cell Content: Fetch rows:											
ProductID	ProductCategory	Brand	Color	Size	Season	Material	Country	Price	Discount	Rating	Reviews
1	home	Brand C	Blue	L	Summer	Cotton	UK	146.57616715253735	0.2195420850707428	3.750730340147607	9.403994946418887
2	sports	Brand C	Red	S	Winter	Polyester	USA	190.26111132944675	0.2718711764669383	6.033801660689289	24.006522246268563
3	electronics	Brand C	Blue	M	Summer	Cotton	UK	111.33394659740787	0.21154141776671673	3.9705798720138015	17.958795869141156
4	home	Brand C	Blue	XL	Fall	Leather	Germany	140.6232309644137	0.23692181250104336	4.405568716644529	31.62646772861801
5	home	Brand C	Black	XL	Winter	Cotton	UK	145.80937423173202	0.1772964333941789	3.3149057749532425	36.108282002183394
6	sports	Brand A	Blue	S	Winter	Polyester	Germany	158.62301231287262	-0.05899960895836757	4.217197809681213	28.533527957171128
7	electronics	Brand C	Black	M	Summer	Cotton	UK	123.80185612851136	0.20928281569521337	3.156018825757763	18.28888097457583
9	home	Brand A	Green	M	Winter	Wool	USA	111.9692116638688	-0.03774692239122726	4.918816554764901	26.183198054835838
11	home	Brand A	Red	L	Summer	Leather	Canada	128.8538123961806	0.005615142244984984	5.6834318316945645	10.840154443971162
12	home	Brand A	Blue	S	Spring	Polyester	Germany	129.59501214381677	-0.07988657475976865	4.216465613573233	22.67093423537911

ecommerce\_dataset 36 ecommerce\_dataset 37 ecommerce\_dataset 38 Result 39 Result 40 ecommerce\_dataset 41 ecommerce\_dataset 42 x Read Only Conte