INTRODUCING

AMAZON

A LEADING E-COMMERCE PLATFORM

DATASET OVERVIEW

product_id	product_name	category	discounted_price	actual_price	discount_percentage	rating	rating_count
B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...	Computers&Accessories|Accessories&Peripheral...	399	1099	0.64	4.2	24269
B098NS6PVG	Ambrane Unbreakable 60W / 3A Fast Charging ...	Computers&Accessories|Accessories&Peripheral...	199	349	0.43	4	43994
B096MSW6CT	Sounce Fast Phone Charging Cable & Data Sync...	Computers&Accessories|Accessories&Peripheral...	199	1899	0.9	3.9	7928
B08HDJ86NZ	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...	Computers&Accessories|Accessories&Peripheral...	329	699	0.53	4.2	94363
B08CF3B7N1	Portronics Konnect L 1.2M Fast Charging 3A 8 P...	Computers&Accessories|Accessories&Peripheral...	154	399	0.61	4.2	16905
B08Y1TFSP6	pTron Solero TB301 3A Type-C Data and Fast C...	Computers&Accessories|Accessories&Peripheral...	149	1000	0.85	3.9	24871
B08WRWPM22	boAt Micro USB 55 Tangle-free, Sturdy Micro US...	Computers&Accessories|Accessories&Peripheral...	176.63	499	0.65	4.1	15188

about_product	user_id	user_name	review_id
High Compatibility : Compatible With iPhone 12, ...	AG3D6O4STAQKAY2UVGEUV46KN35Q,AHMY5C...	Manav,Adarsh gupta,Sundeep,S.Sayeed Ahme...	R3HXWT0LRP0NMF,R2AJM3LFTLZHFO,R6AQJG...
Compatible with all Type C enabled devices, be i...	AECPFYFQVRUWC3KGNLJIOREFP5LQ,AGYYVPD...	ArdKn,Nirbhay kumar,Sagar Viswanathan,Asp,P...	RGIQEG07R9HS2,R1SMWZQ86XIN8U,R2J3Y1W...
【Fast Charger& Data Sync】-With built-in safet...	AGU3BBQ2V2DDAMOAKGFAWDDQ6QHA,AESFL...	Kunal,Himanshu,viswanath,sai niharka,saqib ma...	R3J3EQQ9TZI5ZJ,R3E7WBGK7ID0KV,RWU79XK...
The boAt Deuce USB 300 2 in 1 cable is compati...	AEWAZDZZJLQUYVOVGBEUKSLXHQ5A,AG5HTS...	Omkar dhale,JD,HEMALATHA,Ajwadh a.,amar s...	R3EEUZKKK9J36I,R3HJVYCLYOY554,REDECAZ7...
[CHARGE & SYNC FUNCTION]- This cable comes...	AE3Q6KSUK5P75D5HFYHCRAOLODSA,AFUGIF...	rahuls6099,Swasat Borah,Ajay Wadke,Pranali,...	R1BP4L2HH9TFUP,R16PVJEXKV6QZS,R2UPDB8...
Fast Charging & Data Sync: Solero TB301 Type-...	AEQ2YMXSZWEOHK2EHTNLOS56YTZQ,AGRVIN...	Jayesh,Rajesh k.,Soopy,amazon customer,Ama...	R7S8ANNSDPR40,R3CLZFLHVJU26P,RFF7U7MP...
It Ensures High Speed Transmission And Chargi...	AG7C6DAADCTRO1G2BRS3RIKDT52Q,AFLJ7BO...	Vivek kumar,Amazon Customer,SARTHAK Chira...	R8F73K2KW1RDS,R5D0TTTIWOOL8,R64CRSTE...

review_title	review_content	img_link	product_link
Satisfied,Charging is really fast,Value for mone...	Looks durable Charging is fine tooNo complains,...	https://m.media-amazon.com/images/W/WEBP_...	https://www.amazon.in/Wayona-Braided-WN3L...
A Good Braided Cable for Your Type C Device,G...	I ordered this cable to connect my phone to An...	https://m.media-amazon.com/images/W/WEBP_...	https://www.amazon.in/Ambrane-Unbreakable-...
Good speed for earlier versions,Good Product,...	Not quite durable and sturdy,https://m.media-a...	https://m.media-amazon.com/images/W/WEBP_...	https://www.amazon.in/Sounce-iPhone-Chargin...
Good product,Good one,Nice,Really nice produc...	Good product,long wire,Charges good,Nice,I bo...	https://m.media-amazon.com/images/I/41V5FtE...	https://www.amazon.in/Deuce-300-Resistant-T...
As good as original,Decent,Good one for secon...	Bought this instead of original apple, does the ...	https://m.media-amazon.com/images/W/WEBP_...	https://www.amazon.in/Portronics-Konnect-PO...
It's pretty good,Average quality,very good and...	It's a good product.,Like,Very good item strong ...	https://m.media-amazon.com/images/I/31wOPj...	https://www.amazon.in/Solero-TB301-Charging...
Long durable.,good,Does not charge Lenovo m...	Build quality is good and it is comes with 2 year ...	https://m.media-amazon.com/images/W/WEBP_...	https://www.amazon.in/boAt-Micro-USB-Tangle...
Worth for money - suitable for Android auto,Go...	Worth for money - suitable for Android auto... ...	https://m.media-amazon.com/images/I/31XO-w...	https://www.amazon.in/MI-MTCY001IN-USB-Ty...
Works on linux for me. Get the model with ante...	I use this to connect an old PC to internet. I trie...	https://m.media-amazon.com/images/W/WEBP_...	https://www.amazon.in/TP-Link-TL-WN725N-15...

Preview

Write queries for the following questions:

1. List all products with a discounted price below ₹500.
2. Find products with a discount percentage of 50% or more.
3. Retrieve all products where the name contains the word "Cable."
4. Display the difference between the average of the actual price and the average of discounted price for each product.
5. Query reviews that mention "fast charging" in their content.
6. Identify products with a discount percentage between 20% and 40%.
7. Find products that have an actual price above ₹1,000 and are rated 4 stars or above.
8. Find products where the discounted price ends with a 9 ?
9. Display review contents that contains words like worst, waste, poor, or not good.
10. List all products where the category includes "Accessories."

1. List all products with a discounted price below ₹500.

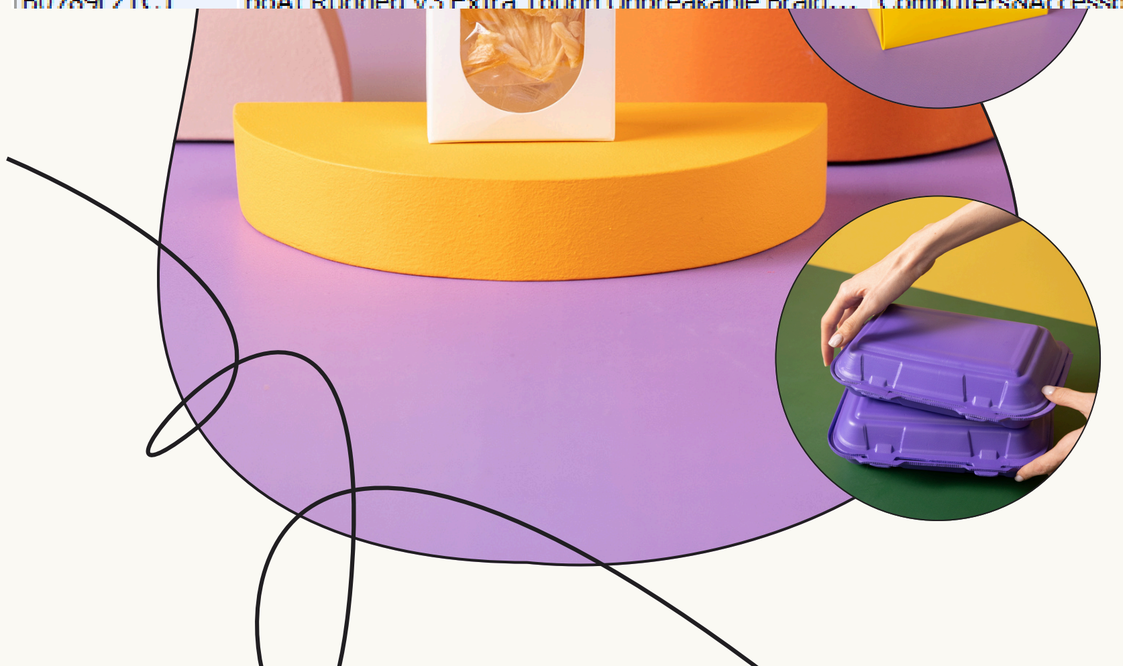
```
SELECT * FROM mytable where
discounted_price < 500;
```

product_id	product_name	category	discounted_price	actual_price
B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...	Computers&Accessories|Accessories&Peripheral...	399	1099
B098NS6PVG	Ambrane Unbreakable 60W / 3A Fast Charging ...	Computers&Accessories|Accessories&Peripheral...	199	349
B096MSW6CT	Sounce Fast Phone Charging Cable & Data Sync...	Computers&Accessories|Accessories&Peripheral...	199	1899
B08HDJ86NZ	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...	Computers&Accessories|Accessories&Peripheral...	329	699
B08CF3B7N1	Portronics Konnect L 1.2M Fast Charging 3A 8 P...	Computers&Accessories|Accessories&Peripheral...	154	399
B08Y1TFSP6	pTron Solero TB301 3A Type-C Data and Fast C...	Computers&Accessories|Accessories&Peripheral...	149	1000

2. Find products with a discount percentage of 50% or more.

```
SELECT * FROM mytable where discount_percentage > 0.5;
```

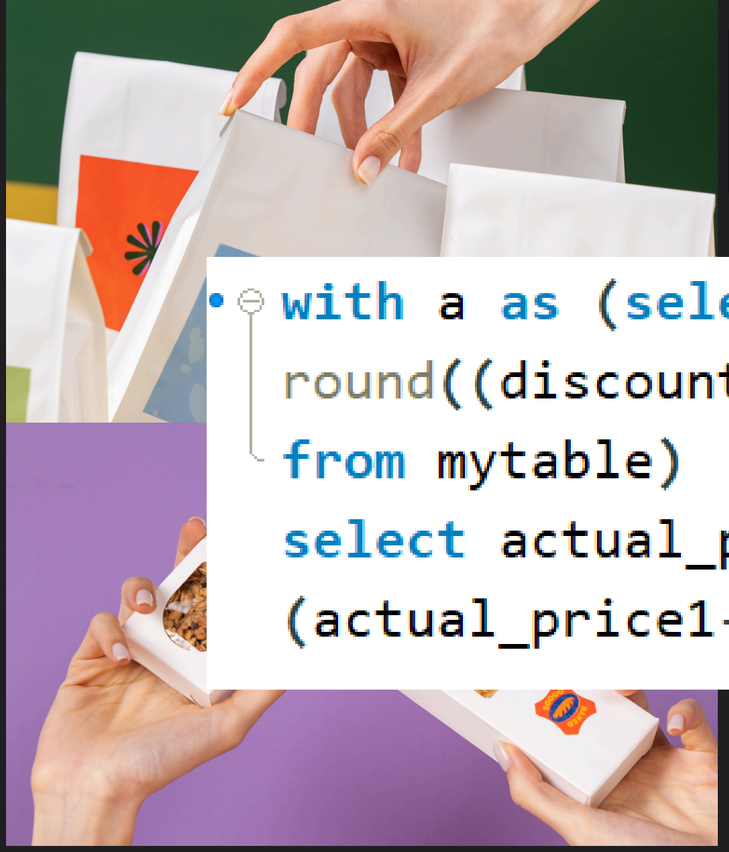
product_id	product_name	category	discounted_price	actual_price	discount_percentage	rating	rating_count
B07JW9H4J1	Wayona Nylon Braided USB to Lightning Fast Ch...	Computers&Accessories|Accessories&Peripheral...	399	1099	0.64	4.2	24269
B096MSW6CT	Sounce Fast Phone Charging Cable & Data Sync...	Computers&Accessories|Accessories&Peripheral...	199	1899	0.9	3.9	7928
B08HDJ86NZ	boAt Deuce USB 300 2 in 1 Type-C & Micro USB ...	Computers&Accessories|Accessories&Peripheral...	329	699	0.53	4.2	94363
B08CF3B7N1	Portronics Konnect L 1.2M Fast Charging 3A 8 P...	Computers&Accessories|Accessories&Peripheral...	154	399	0.61	4.2	16905
B08Y1TFSP6	pTron Solero TB301 3A Type-C Data and Fast C...	Computers&Accessories|Accessories&Peripheral...	149	1000	0.85	3.9	24871
B08WRWPM22	boAt Micro USB 55 Tangle-free, Sturdy Micro US...	Computers&Accessories|Accessories&Peripheral...	176.63	499	0.65	4.1	15188
B08CF3D7QR	Portronics Konnect L POR-1081 Fast Charging 3...	Computers&Accessories|Accessories&Peripheral...	154	339	0.55	4.3	13391
B0789LZTCJ	boAt Rugged v3 Extra Tough Unbreakable Braid...	Computers&Accessories|Accessories&Peripheral...	299	799	0.63	4.2	94363



discount_percentage
0.64
0.9
0.53
0.61
0.85
0.65
0.55

3. Retrieve all products where the name contains the word "Cable."

product_name
Wayona Nylon Braided USB to Lightning Fast Charging and Data Sync Cable Compatible for iPhone 13, 12,11, X, 8, 7, 6, 5, iPad Air, Pro, Mini (3 FT Pack of 1, Grey)
Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Type C Cable for Smartphones, Tablets, Laptops & other Type C devices, PD Technology, 480Mbps Data Sync, Quick Cha...
Sounce Fast Phone Charging Cable & Data Sync USB Cable Compatible for iPhone 13, 12,11, X, 8, 7, 6, 5, iPad Air, Pro, Mini & iOS Devices
boAt Deuce USB 300 2 in 1 Type-C & Micro USB Stress Resistant, Tangle-Free, Sturdy Cable with 3A Fast Charging & 480mbps Data Transmission, 10000+ Bends Lifespan and Extend...
Portronics Konnect L 1.2M Fast Charging 3A 8 Pin USB Cable with Charge & Sync Function for iPhone, iPad (Grey)
pTron Solero TB301 3A Type-C Data and Fast Charging Cable, Made in India, 480Mbps Data Sync, Strong and Durable 1.5-Meter Nylon Braided USB Cable for Type-C Devices for Cha...
boAt Micro USB 55 Tangle-free, Sturdy Micro USB Cable with 3A Fast Charging & 480mbps Data Transmission (Black)
MI Usb Type-C Cable Smartphone (Black)
Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Micro USB Cable for Smartphones, Tablets, Laptops & Other Micro USB Devices, 480Mbps Data Sync, Quick Charge 3.0 (R...
Portronics Konnect L POR-1081 Fast Charging 3A Type-C Cable 1.2Meter with Charge & Sync Function for All Type-C Devices (Grey)
boAt Rugged v3 Extra Tough Unbreakable Braided Micro USB Cable 1.5 Meter (Black)
AmazonBasics Flexible Premium HDMI Cable (Black, 4K@60Hz, 18Gbps), 3-Foot
Portronics Konnect CL 20W POR-1067 Type-C to 8 Pin USB 1.2M Cable with Power Delivery & 3A Quick Charge Support, Nylon Braided for All Type-C and 8 Pin Devices, Green
Portronics Konnect L 1.2M POR-1401 Fast Charging 3A 8 Pin USB Cable with Charge & Sync Function (White)
MI Braided USB Type-C Cable for Charging Adapter (Red)
Ambrane Unbreakable 60W / 3A Fast Charging 1.5m Braided Type C to Type C Cable for Smartphones, Tablets, Laptops & Other Type C Devices, PD Technology, 480Mbps Data Sync...



4. Display the difference between the average of the actual price and the average of discounted price for each product.

```
with a as (select round((actual_price),2) as actual_price1,
round((discounted_price),2) as discounted_price1
from mytable)
select actual_price1,discounted_price1,
(actual_price1-discounted_price1) as difference from a;
```

actual_price1	discounted_price1	difference
1099	399	700
349	199	150
1899	199	1700
699	329	370
399	154	245
1000	149	851

5. Query reviews that mention "fast charging" in their content.

```sql
SELECT
    review_content
FROM
    mytable
WHERE
    review_content LIKE '%fast charging%';
```

review_content
I ordered this cable to connect my phone to Android Auto of car. The cable is really strong and the connection ports are really well made. I already has a Micro USB cable from Ambrane an
Good product,long wire,Charges good,Nice,I bought this cable for Rs.339 worthy product for this price, i tested it in various charger adapters 33w and 18w it supports fast charging as we
I ordered this cable to connect my phone to Android Auto of car. The cable is really strong and the connection ports are really well made. I already has a Micro USB cable from Ambrane an
The cable is efficient in fast charging but in quick data transfer. Overall fine.,I like the usb c L shape. Nylon Shielded core wire it improves the life of the cable.,i think i buy these every 6 m
Good product,long wire,Charges good,Nice,I bought this cable for Rs.339 worthy product for this price, i tested it in various charger adapters 33w and 18w it supports fast charging as we
Definitely isn't as good as the original cord but works. Fast charging and pretty sturdy,Worth it,So I had a faulty cable. I was lazy and have a lot of money so instead of calling Apple I bou
I like it 👍👍,Best charging power . I used this cable on note 8 pro mi. Using 8month also fast working.,350 might be a little expensive but physically it's so good. Feels premium. But power
I ordered this cable to connect my phone to Android Auto of car. The cable is really strong and the connection ports are really well made. I already has a Micro USB cable from Ambrane an
Check for offera before buying,18w charging cable,,Awesome cable!Charging, data transfer and durability is simply awesome, and there is not a single disconnection issue, which I always
Worked on iPhone 7 and didn't work on iPhone XR,https://m.media-amazon.com/images/I/71qFFAlV9ZL._SY88.jpg,Look-wise, I didn't like it. Still, I use it for my work.,Product is quite good
The product seems and works good but it's not a fast charging cable as it has to be and when all the three ports are connected its more slower I'm charging only good is single cable all th
Fast charging.,Cable seems to be of good quality, not used much as I keep it as backup in my car.,It's good, sturdy & durable!It supports fast charging!Only thing is it's a little expensive!,
One amazing cable for 300 bucks,Ok with charging. Looks very sturdy and durable.,Fast charging upto 25watts 2m in length and really durable.Bought it like the 4th time passed down my
Buy it,Received in good condition and is working properly,This price cabil not good, and also short,I am using from 2 months and charging the phone in good way and it's really value for m

6. Identify products with a discount percentage between 20% and 40%.

```sql
SELECT
    product_name
FROM
    mytable
WHERE
    discount_percentage BETWEEN 0.2 AND 0.4
```

product_name
MI Usb Type-C Cable ...
Ambrane Unbreakabl...
Ambrane Unbreakabl...
LG 80 cm (32 inches) ...
OnePlus 80 cm (32 inc...
Ambrane Unbreakabl...
OnePlus 126 cm (50 i...
TP-Link Nano AC600 ...
Amazon Basics High-S...
OnePlus 80 cm (32 inc...
Samsung 108 cm (43 i...

7. Find products that have an actual price above ₹1,000 and are rated 4 stars or above.

```sql
SELECT
    actual_price, rating, product_name
FROM
    mytable
WHERE
    actual_price > 100 AND rating >= 4
```

actual_price	rating	product_name
120	4.2	Classmate Pulse 6 Su...
120	4.1	Pentonic Multicolor Ba...
120	4.5	Classmate Drawing B...
149	4.3	LIRAMARK Webcam C...
149	4.3	LIRAMARK Webcam C...
150	4.3	Faber-Castell Connec...
160	4.5	Classmate Soft Cover...
160	4.4	Classmate 2100117 S...
160	4.5	Classmate Soft Cover...
165	4.5	Classmate Long Book ...
171	4.5	Goldmedal Curve Plus...
175	4.4	3M Post-it Sticky Note...

8. Find products where the discounted price ends with a 9 ?

```sql
SELECT
    product_name, discounted_price
FROM
    mytable
WHERE
    discounted_price LIKE '%9';
```

product_name	discounted_price
Wayona Nylon Braided USB to...	399
Ambrane Unbreakable 60W / ...	199
Sounce Fast Phone Charging ...	199
boAt Deuce USB 300 2 in 1 Ty...	329
pTron Solero TB301 3A Type-...	149
MI Usb Type-C Cable Smartph...	229
TP-Link USB WiFi Adapter for ...	499
Ambrane Unbreakable 60W / ...	199
boAt Rugged v3 Extra Tough ...	299
AmazonBasics Flexible Premiu...	219
Portronics Konnect L 1.2M PO...	159

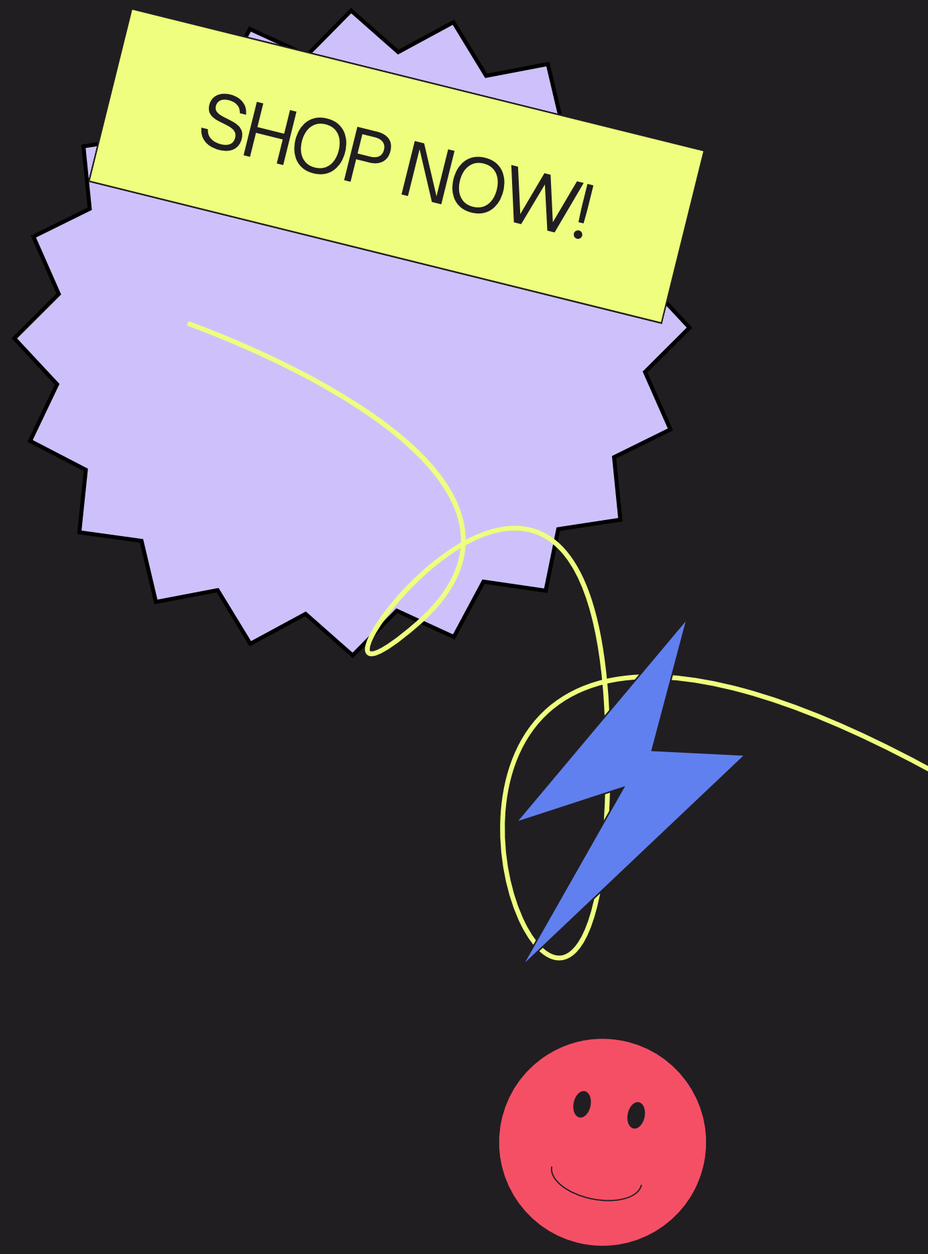
9. Display review contents that contains words like worst, waste, poor, or not good.

```sql
SELECT review_content
FROM mytable
WHERE review_content LIKE '%worst%'
    OR review_content LIKE '%poor%'
    OR review_content LIKE '%waste%'
    OR review_content LIKE '%not good%';
```

review_content
Worth for money - suitable for Android auto... my purpose served in car....got it for Rs. 15...
Check for offera before buying,18w charging cable,,Awesome cable!Charging, data transfe...
LG was always Good , correct delivery, good service but sound quality was poor. The speak...
This connector has provided as a boon for my old Samsung LCD monitor and I am proactivel...
Overall good.,TV picture ok smart betterSound very low another brand,Service provider ref...
About the TV - Wonderful----------Probably the ...
This OnePlus TV is great if you want a affordable and middle range features TV. I got it in th...
Buy it,Received in good condition and is working properly,This price cabil not good, and als...
I am posting this after a few weeks of using the product.Usage: Continuous, OTT only, no ...
NOTE:@ If you select brand-authorized TV installation, then DO NOT unbox the tv until MI r...
Overall replacement of original samsung remote.its compatible easily with my samsung uhd t...
I am using this on an old Mac Mini, since the Broadcom proprietary drivers aren't available a...
I got this for 6k. At this price point, I believe the TV provides decent quality. You shouldn't ...

10. List all products where the category includes "Accessories."

```sql
SELECT
    category
FROM
    mytable
WHERE
    category LIKE '%Accessories%'
```

category
Computers&Accessories|Accessories&Periphera...
Computers&Accessories|Accessories&Periphera...
Computers&Accessories|Accessories&Periphera...
Computers&Accessories|Accessories&Periphera...
Computers&Accessories|Accessories&Periphera...
Computers&Accessories|Accessories&Periphera...
Computers&Accessories|Accessories&Periphera...
Computers&Accessories|Accessories&Periphera...
Computers&Accessories|NetworkingDevices|Ne...
Computers&Accessories|Accessories&Periphera...
Computers&Accessories|Accessories&Periphera...
Computers&Accessories|Accessories&Periphera...
Electronics|HomeTheater,TV&Video|Accessories...
Computers&Accessories|Accessories&Periphera...

THANK YOU PLEASE PROVIDE ME YOUR FEEDBACK!