

ANDILE NOMAQHIZA E-COMMERCE CASSANDRA PROJECT

1.)

```
CREATE KEYSPACE EcommerceCatalog
with replication = {'class' : 'SimpleStrategy', 'replication_factor' : 1};
```

2.)

```
use EcommerceCatalog;
```

```
root@ed53f8222586: /
Microsoft Windows [Version 10.0.22635.5235]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Andile>docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
ed53f8222586   cassandra:latest "docker-entrypoint.s..." 2 weeks ago   Up 40 minutes  0.0.0.0:7000-7001->7000-7001/tcp, 0.0.0.0:9042->9042/tcp, 0.0.0.0:9160->9160/tcp, 7199/tcp   cassandra

C:\Users\Andile>docker exec -it ed53f8222586 bash
root@ed53f8222586:/# cqlsh
Connected to Test Cluster at 127.0.0.1:9042
[cqlsh 6.2.0 | Cassandra 5.0.4 | CQL spec 3.4.7 | Native protocol v5]
Use HELP for help.
cqlsh>
cqlsh> CREATE KEYSPACE EcommerceCatalog
... with replication = {'class' : 'SimpleStrategy', 'replication_factor' : 1};
cqlsh> use EcommerceCatalog;
cqlsh:ecommercecatalog> |
```

3.)

```
create table categories(
category_id UUID primary key,
category_name text,
description text );
select*from categories;
```

```
cqlsh:ecommercecatalog>
cqlsh:ecommercecatalog> create table categories(
... category_id UUID primary key,
... category_name text,
... description text
... );
cqlsh:ecommercecatalog> select*from categories;

category_id | category_name | description
-----+-----+-----

(0 rows)
cqlsh:ecommercecatalog>
```

4.)

```
create table brands(  
  brand_id UUID primary key,  
  brand_name text,  
  country_of_origin text  
);  
select*from brands;
```

```
cqlsh:ecommercecatalog>  
cqlsh:ecommercecatalog> create table brands(  
    ... brand_id UUID primary key,  
    ... brand_name text,  
    ... country_of_origin text  
    ... );  
cqlsh:ecommercecatalog> select*from brands;
```

brand_id	brand_name	country_of_origin
----------	------------	-------------------

(0 rows)

```
cqlsh:ecommercecatalog>
```

5.)

```
create table products(  
  product_id UUID primary key,  
  product_name text,  
  category_id UUID,  
  brand_id UUID,  
  price decimal,  
  inventory_count int,  
  description text  
);  
select*from products;
```

```
cqlsh:ecommercecatalog>  
cqlsh:ecommercecatalog> create table products(  
    ... product_id UUID primary key,  
    ... product_name text,  
    ... category_id UUID,  
    ... brand_id UUID,  
    ... price decimal,  
    ... inventory_count int,  
    ... description text  
    ... );  
cqlsh:ecommercecatalog> select*from products;
```

product_id	brand_id	category_id	description	inventory_count	price	product_name
------------	----------	-------------	-------------	-----------------	-------	--------------

(0 rows)

```
cqlsh:ecommercecatalog>
```

6.)

```
insert into categories(category_id, category_name, description)
```

values

(UUID(), 'Electronics', 'Electronic devices');

insert into categories(category_id, category_name, description)

values

(UUID(), 'Computers', 'Laptops and desktops');

insert into categories(category_id, category_name, description)

values

(UUID(), 'Smartphones', 'Mobile phones');

insert into categories(category_id, category_name, description)

values

(UUID(), 'Clothing', 'Apparel');

insert into categories(category_id, category_name, description)

values

(UUID(), 'Menswear', 'Clothing for men');

insert into categories(category_id, category_name, description)

values

(UUID(), 'Womenswear', 'Clothing for women');

select*from categories;

```
cqlsh:ecommercecatalog> select*from categories;
```

category_id	category_name	description
34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Computers	Laptops and desktops
c712a08f-c43b-4dd3-b687-5f4c3296b55f	Electronics	Electronic devices
7eb32df4-1fc8-453d-a669-4c7a7370b5a7	Clothing	Apparel
e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Menswear	Clothing for men
145eccc8-0c63-4bba-9240-a1cdf9d3c7c8	Smartphones	Mobile phones
faa4cc91-f76d-4c1e-b19f-959967dc3f8b	Womenswear	Clothing for women

(6 rows)

```
cqlsh:ecommercecatalog>
```

7.)

insert into brands(brand_id, brand_name, country_of_origin)

values

(UUID(), 'TechCorp', 'USA');

insert into brands(brand_id, brand_name, country_of_origin)

values

(UUID(), 'StyleGen', 'Italy');

insert into brands(brand_id, brand_name, country_of_origin)

values

(UUID(), 'MobilePro', 'China');

insert into brands(brand_id, brand_name, country_of_origin)

values

(UUID(), 'FashionFit', 'UK');

insert into brands(brand_id, brand_name, country_of_origin)

values

(UUID(), 'ElectroMax', 'Japan');

insert into brands(brand_id, brand_name, country_of_origin)

values

(UUID(), 'HomeStyle', 'Canada');

select*from brands;

```
cqlsh:ecommercecatalog> select*from brands;
```

brand_id	brand_name	country_of_origin
24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	TechCorp	USA
0bb4f8b0-a9ef-4ff5-95bb-dfd65f35f246	HomeStyle	Canada
bdb49145-da00-45d6-96c7-494d8ec99fa1	MobilePro	China
75c007e4-abf5-4dab-9526-991106890ab3	ElectroMax	Japan
949b4595-1a80-4a51-b8b5-296e32a8fe02	FashionFit	UK
11567e38-d8ef-41b5-8c77-eceaa0ba8e7b	StyleGen	Italy

(6 rows)

```
cqlsh:ecommercecatalog>
```

8.)

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)

values

(UUID(), 'Laptop X100', 34db4421-9c3e-41ac-8f12-c6d64fbfd5f4, 24a8fce6-c9f7-4658-8d31-

b7bc0c1f5f71 , 1200.00, 50, 'High-performance laptop');

```
insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)
values
(UUID(), 'Smartphone Z5', 145eccccb-0c63-4bba-9240-a1cdf9d3c7c8, bdb49145-da00-45d6-96c7-
494d8ec99fa1 , 800.00, 100, 'Latest smartphone');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)
values
(UUID(), 'Mens Shirt', e530b1c1-1d75-446c-a0bd-8885a77d0f6f, 11567e38-d8ef-41b5-8c77-
ecea0ba8e7b, 50.00, 150, 'Classic shirt');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)
values
(UUID(), 'Womens Dress', e530b1c1-1d75-446c-a0bd-8885a77d0f6f , 949b4595-1a80-4a51-b8b5-
296e32a8fe02 , 120.00, 110, 'Elegant dress');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)
values
(UUID(), 'Desktop Pro 2000', 34db4421-9c3e-41ac-8f12-c6d64fbfd5f4 , 75c007e4-abf5-4dab-9526-
991106890ab3 , 1500.00, 30, 'Powerful desktop');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)
values
(UUID(), 'Smartphone Lite', 145eccccb-0c63-4bba-9240-a1cdf9d3c7c8 , bdb49145-da00-45d6-96c7-
494d8ec99fa1 , 300.00, 200, 'Budget phone');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)
values
(UUID(), 'Mens Pants', e530b1c1-1d75-446c-a0bd-8885a77d0f6f , 949b4595-1a80-4a51-b8b5-
296e32a8fe02 , 75.00, 120, 'Comfortable pants');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)
```

values

(UUID(), 'Womens Blouse', faa4cc91-f76d-4c1e-b19f-959967dc3f8b , 11567e38-d8ef-41b5-8c77-eceaa0ba8e7b, 80.00, 130, 'Stylish blouse');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)

values

(UUID(), 'Laptop Mini', 34db4421-9c3e-41ac-8f12-c6d64fbfd5f4 , 24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71 , 700.00, 80, 'Portable laptop');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)

values

(UUID(), 'Smartphone Pro', 145ecccbb-0c63-4bba-9240-a1cdf9d3c7c8, 75c007e4-abf5-4dab-9526-991106890ab3, 1100.00, 60, 'Professional phone');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)

values

(UUID(), 'Mens Jacket', e530b1c1-1d75-446c-a0bd-8885a77d0f6f, 24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71 , 150.00, 90, 'Warm jacket');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)

values

(UUID(), 'Womens Skirt', faa4cc91-f76d-4c1e-b19f-959967dc3f8b , 949b4595-1a80-4a51-b8b5-296e32a8fe02, 60.00, 190, 'Casual skirt');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)

values

(UUID(), 'Tablet Pro', 34db4421-9c3e-41ac-8f12-c6d64fbfd5f4 , 75c007e4-abf5-4dab-9526-991106890ab3 , 900.00, 70, 'Professional tablet');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)

values

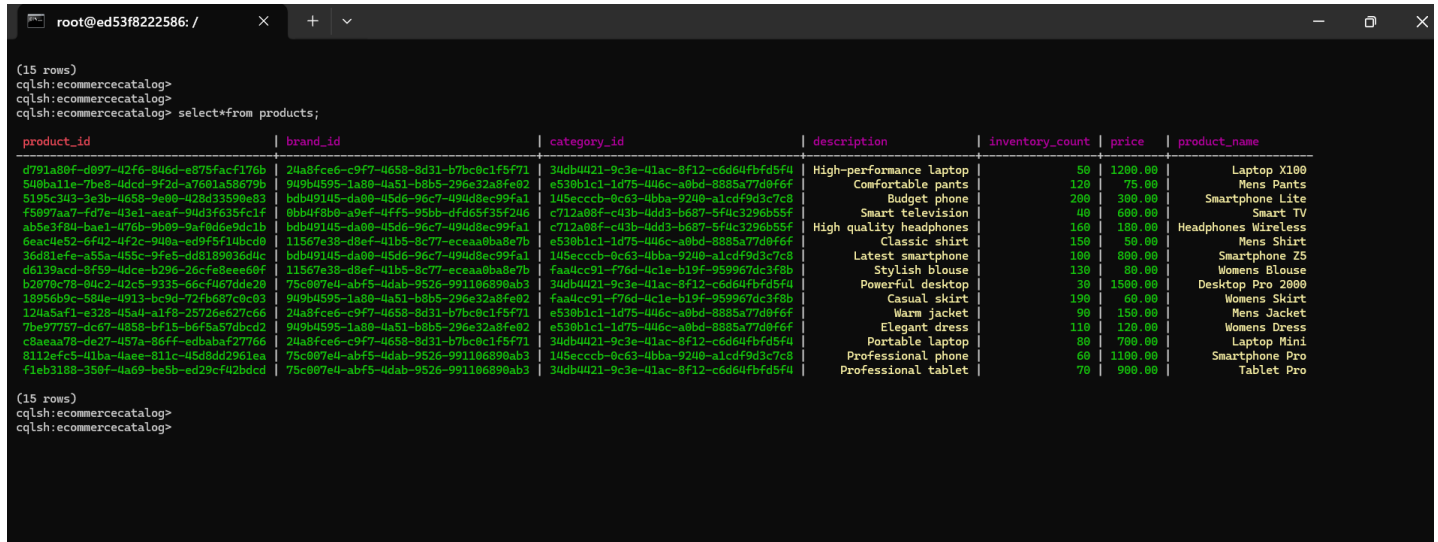
(UUID(), 'Headphones Wireless', c712a08f-c43b-4dd3-b687-5f4c3296b55f , bdb49145-da00-45d6-96c7-494d8ec99fa1, 180.00, 160, 'High quality headphones');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)

values

(UUID(), 'Smart TV', c712a08f-c43b-4dd3-b687-5f4c3296b55f, 0bb4f8b0-a9ef-4ff5-95bb-dfd65f35f246 ,
600.00, 40, 'Smart television');

select*from products



product_id	brand_id	category_id	description	inventory_count	price	product_name
d791a80f-d097-42f6-846d-e875facf176b	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	High-performance Laptop	50	1200.00	Laptop X100
540balle-7be8-4dc2-9f2d-a7601a50679b	949b4595-1a80-4a51-b8b5-296e32a8fe02	e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Comfortable pants	120	75.00	Mens Pants
5195c343-3e3b-4658-9e00-428d33590e83	bdb49145-da00-45d6-96c7-494d8ec99fa1	145ecccb-0c63-4bba-9240-a1cd9d3c7c8	Budget phone	200	300.00	Smartphone Lite
f5097aa7-fd7e-43e1-aeaf-94d3f35fc1f1	0bb4f8b0-a9ef-4ff5-95bb-dfd65f35f246	c712a08f-c43b-4dd3-b687-5f4c3296b55f	Smart television	40	600.00	Smart TV
ab5e3f8d-bae1-476b-9b09-9af0d6e9dc1b	bdb49145-da00-45d6-96c7-494d8ec99fa1	c712a08f-c43b-4dd3-b687-5f4c3296b55f	High quality headphones	100	180.00	Headphones Wireless
6eac4e52-6f42-4f2c-940a-ed9f5f14bcd0	11567e38-d8ef-41b5-8c77-ecaa0ba8e7b	e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Classic shirt	150	50.00	Mens Shirt
36d81ef0-a55a-455c-9f45-dd8189836d4c	bdb49145-da00-45d6-96c7-494d8ec99fa1	145ecccb-0c63-4bba-9240-a1cd9d3c7c8	Latest smartphone	100	800.00	Smartphone Z5
d6139acd-8f89-4dce-b786-26f8e8ee09f	11567e38-d8ef-41b5-8c77-ecaa0ba8e7b	faa4cc91-f76d-4c1e-b19f-959967dc3f8b	Stylish blouse	130	80.00	Womens Blouse
b2078c78-84c2-42c5-9335-66c467d0da28	75c007e4-abf5-4dab-9526-991106890ab3	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Powerful desktop	30	1500.00	Desktop Pro 2000
18956b9c-584e-4913-bc9d-72fb87c0c03	949b4595-1a80-4a51-b8b5-296e32a8fe02	faa4cc91-f76d-4c1e-b19f-959967dc3f8b	Casual skirt	190	60.00	Womens Skirt
124a5af1-e328-45a4-a1f8-2572e627c66	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Warm jacket	90	150.00	Mens Jacket
7be97757-de67-4858-bf15-b6f5a57dbcd2	949b4595-1a80-4a51-b8b5-296e32a8fe02	e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Elegant dress	110	120.00	Womens Dress
c8aea78-de27-457a-86ff-edbabaf27766	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Portable Laptop	80	700.00	Laptop Mini
8112efc5-41ba-4aee-811c-45d8dd2961ea	75c007e4-abf5-4dab-9526-991106890ab3	145ecccb-0c63-4bba-9240-a1cd9d3c7c8	Professional phone	60	1100.00	Smartphone Pro
f1eb3188-350f-4a69-be5b-ed29cf42bdcd	75c007e4-abf5-4dab-9526-991106890ab3	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Professional tablet	70	900.00	Tablet Pro

9.)

BEGIN BATCH

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)

values

(UUID(), 'Sport T-Shirt', e530b1c1-1d75-446c-a0bd-8885a77d0f6f , 949b4595-1a80-4a51-b8b5-
296e32a8fe02 , 40.00, 250, 'Sporty t-shirt');

insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)

values

(UUID(), 'Portable SSD', c712a08f-c43b-4dd3-b687-5f4c3296b55f, 24a8fce6-c9f7-4658-8d31-
b7bc0c1f5f71 , 120.00, 140, 'Fast portable storage');

update products set price = 1250.00 where product_id = d791a80f-d097-42f6-846d-e875facf176b;

delete from products where product_id = 5195c343-3e3b-4658-9e00-428d33590e83;

APPLY BATCH;

```
root@ed53f8222586: /
cqlsh:ecommercecatalog>
cqlsh:ecommercecatalog> BEGIN BATCH
... insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)
... values
... (UUID(), 'Sport T-Shirt', e530b1c1-1d75-446c-a0bd-8885a77d0f6f, 949b4595-1a80-4a51-b8b5-296e32a8fe02, 40.00, 250, 'Sporty t-shirt');
... insert into products(product_id, product_name, category_id, brand_id, price, inventory_count, description)
... values
... (UUID(), 'Portable SSD', c712a08f-c43b-4dd3-b687-5f4c3296b55f, 24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71, 120.00, 140, 'Fast portable storage');
... update products set price = 1250.00 where product_id = d791a80f-d097-42f6-846d-e875facf176b;
... delete from products where product_id = 5195c343-3e3b-4658-9e00-428d33590e83;
... APPLY BATCH;
cqlsh:ecommercecatalog> select*from products;
```

product_id	brand_id	category_id	description	inventory_count	price	product_name
d791a80f-d097-42f6-846d-e875facf176b	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	High-performance laptop	50	1250.00	Laptop X100
540balle-7be8-4dcd-9f2d-a7601a58679b	949b4595-1a80-4a51-b8b5-296e32a8fe02	e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Comfortable pants	120	75.00	Mens Pants
f5097aa7-fd7e-43e1-aeaf-94d3f635fc1f	0bb4f8b0-a9ef-4ff5-95bb-dfd65f35f246	c712a08f-c43b-4dd3-b687-5f4c3296b55f	Smart television	40	600.00	Smart TV
ab5e3f84-bae1-476b-9b09-9af0d6e9dc1b	bdb49145-da00-45d6-96c7-494d8ec99fa1	c712a08f-c43b-4dd3-b687-5f4c3296b55f	High quality headphones	160	180.00	Headphones Wireless
6eac4e52-6f42-4f2c-940a-ed9f5f14bcd0	11567e38-d8ef-41b5-8c77-eceaa0ba8e7b	e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Classic shirt	150	50.00	Mens Shirt
36d81efe-a55a-455c-9fe5-dd8189036d4c	bdb49145-da00-45d6-96c7-494d8ec99fa1	145ecccb-0c63-4bba-9240-a1cdf9d3c7c8	Latest smartphone	100	800.00	Smartphone Z5
d6139acd-8f59-4dce-b296-26cfe8ee60f	11567e38-d8ef-41b5-8c77-eceaa0ba8e7b	faa4cc91-f76d-4c1e-b19f-959967dc3f8b	Stylish blouse	130	80.00	Womens Blouse
b2070c78-04c2-42c5-9335-66cf467dde20	75c007e4-abf5-4dab-9526-991106890ab3	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Powerful desktop	30	1500.00	Desktop Pro 2000
18956b9c-584e-4913-bc9d-72fb687c8c03	949b4595-1a80-4a51-b8b5-296e32a8fe02	faa4cc91-f76d-4c1e-b19f-959967dc3f8b	Casual skirt	190	60.00	Womens Skirt
4f9f0d32-6589-4b26-8152-839b6ae5c03	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	c712a08f-c43b-4dd3-b687-5f4c3296b55f	Fast portable storage	140	120.00	Portable SSD
124a5af1-e328-45a4-a1f8-25726e27c66	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Warm jacket	90	150.00	Mens Jacket
7be97757-dc67-4858-bf15-b6f5a57dbcd2	949b4595-1a80-4a51-b8b5-296e32a8fe02	e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Elegant dress	110	120.00	Womens Dress
c8aeaa78-de27-457a-86ff-edbabaf27766	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Portable laptop	80	700.00	Laptop Mini
8112efc5-41ba-4aee-811c-45d8dd2961ea	75c007e4-abf5-4dab-9526-991106890ab3	145ecccb-0c63-4bba-9240-a1cdf9d3c7c8	Professional phone	60	1100.00	Smartphone Pro
aceec5e6-5a60-4370-93ab-984815a13dda	949b4595-1a80-4a51-b8b5-296e32a8fe02	e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Sporty t-shirt	250	40.00	Sport T-Shirt
f1eb3188-350f-4a69-be5b-ed29cf42bdcd	75c007e4-abf5-4dab-9526-991106890ab3	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Professional tablet	70	900.00	Tablet Pro

```
(16 rows)
cqlsh:ecommercecatalog>
cqlsh:ecommercecatalog>
```

10.)

update products set product_name = 'Premium classic shirt' where product_id = 6eac4e52-6f42-4f2c-940a-ed9f5f14bcd0;

11.)

delete from brands where brand_id = 0bb4f8b0-a9ef-4ff5-95bb-dfd65f35f246 ;

12.)

CREATE INDEX ON products (category_id);

13.)

select*from products where price>500.00 allow filtering;

```
cqlsh:ecommercecatalog>
cqlsh:ecommercecatalog> select*from products where price>500.00 allow filtering;
```

product_id	brand_id	category_id	description	inventory_count	price	product_name
d791a80f-d097-42f6-846d-e875facf176b	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	High-performance laptop	50	1250.00	Laptop X100
f5097aa7-fd7e-43e1-aeaf-94d3f635fc1f	0bb4f8b0-a9ef-4ff5-95bb-dfd65f35f246	c712a08f-c43b-4dd3-b687-5f4c3296b55f	Smart television	40	600.00	Smart TV
36d81efe-a55a-455c-9fe5-dd8189036d4c	bdb49145-da00-45d6-96c7-494d8ec99fa1	145ecccb-0c63-4bba-9240-a1cdf9d3c7c8	Latest smartphone	100	800.00	Smartphone Z5
b2070c78-04c2-42c5-9335-66cf467dde20	75c007e4-abf5-4dab-9526-991106890ab3	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Powerful desktop	30	1500.00	Desktop Pro 2000
c8aeaa78-de27-457a-86ff-edbabaf27766	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Portable laptop	80	700.00	Laptop Mini
8112efc5-41ba-4aee-811c-45d8dd2961ea	75c007e4-abf5-4dab-9526-991106890ab3	145ecccb-0c63-4bba-9240-a1cdf9d3c7c8	Professional phone	60	1100.00	Smartphone Pro
f1eb3188-350f-4a69-be5b-ed29cf42bdcd	75c007e4-abf5-4dab-9526-991106890ab3	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Professional tablet	70	900.00	Tablet Pro

```
(7 rows)
cqlsh:ecommercecatalog>
```


14.)

select*from products where brand_id = 24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71 allow filtering;

```
cqlsh:ecommercecatalog>
cqlsh:ecommercecatalog> select*from products where brand_id = 24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71 allow filtering;
```

product_id	brand_id	category_id	description	inventory_count	price	product_name
d791a80f-d097-42f6-846d-e875facf176b	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	High-performance Laptop	50	1250.00	Laptop X100
4f9f0d32-6589-4b26-8152-839b66ae5c03	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	c712a08f-c43b-4dd3-b687-5f4c3296b55f	Fast portable storage	140	120.00	Portable SSD
124a5af1-e328-45a4-a1f8-25726e627c66	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	e530b1c1-1d75-446c-a0bd-8885a77d0f6f	Warm jacket	90	150.00	Mens Jacket
c8aeaa78-de27-457a-86ff-edbabaf27766	24a8fce6-c9f7-4658-8d31-b7bc0c1f5f71	34db4421-9c3e-41ac-8f12-c6d64fbfd5f4	Portable Laptop	80	700.00	Laptop Mini

```
(4 rows)
cqlsh:ecommercecatalog>
```

15.)

select avg(price) as AveragePriceSmartPhone from products where category_id = 145ecccb-0c63-4bba-9240-a1cdf9d3c7c8 allow filtering;

```
cqlsh:ecommercecatalog>
cqlsh:ecommercecatalog> select avg(price) as AveragePriceSmartPhone from products where category_id = 145ecccb-0c63-4bba-9240-a1cdf9d3c7c8 allow filtering;
```

averagepricesmartphone
950.00

```
(1 rows)

Warnings :
Aggregation query used without partition key

cqlsh:ecommercecatalog>
```

16.)

select min(inventory_count) as Minimum_Inventory_Count from products;

17.)

select max(inventory_count) as Minimum_Inventory_Count from products;

```
cqlsh:ecommercecatalog>
cqlsh:ecommercecatalog> select max(inventory_count) as Minimum_Inventory_Count from products;
```

minimum_inventory_count
250

```
(1 rows)

Warnings :
Aggregation query used without partition key

cqlsh:ecommercecatalog>
```

18.)

select count(*) as TotalProducts_ComputerCategory from products where category_id = 34db4421-9c3e-41ac-8f12-c6d64fbfd5f4;

```

cqlsh:ecommercecatalog>
cqlsh:ecommercecatalog> select count(*) as TotalProducts_ComputerCategory from products where category_id = 34db4421-9c3e-41ac-8f12-c6d64fbfd5f4;

totalproducts_computercategory
-----
4

(1 rows)

Warnings :
Aggregation query used without partition key

cqlsh:ecommercecatalog>

```

19.)

select count(*) as TotalBrands_Japan from products where brand_id = 75c007e4-abf5-4dab-9526-991106890ab3 allow filtering;

```

cqlsh:ecommercecatalog>
cqlsh:ecommercecatalog> select count(*) as TotalBrands_Japan from products where brand_id = 75c007e4-abf5-4dab-9526-991106890ab3 allow filtering;

totalbrands_japan
-----
3

(1 rows)

Warnings :
Aggregation query used without partition key

cqlsh:ecommercecatalog>

```