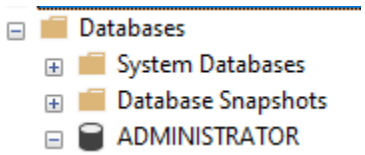
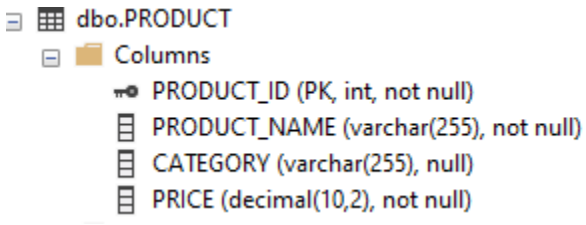
2

```
create database ADMINISTRATOR;
use ADMINISTRATOR;
```



a. `create table PRODUCT (PRODUCT_ID int primary key IDENTITY(1,1),PRODUCT_NAME varchar(255) NOT NULL,CATEGORY varchar(255),PRICE decimal(10,2) NOT NULL);`



b. `insert into PRODUCT (PRODUCT_NAME,CATEGORY,PRICE) values ('T-Shirt','Clothing',150),('Laptop','Electronics',50000),('Pen','Stationery',10),('Headphones','Electronics',800);`

`insert into PRODUCT (PRODUCT_NAME,PRICE) values ('Book',1500);`

c. `select * from PRODUCT;`

	PRODUCT_ID	PRODUCT_NAME	CATEGORY	PRICE
1	1	T-Shirt	Clothing	150.00
2	2	Laptop	Electronics	50000.00
3	3	Pen	Stationery	10.00
4	4	Headphones	Electronics	800.00
5	5	Book	NULL	1500.00

d. `select * from PRODUCT where PRICE>100;`

	PRODUCT_ID	PRODUCT_NAME	CATEGORY	PRICE
1	1	T-Shirt	Clothing	150.00
2	2	Laptop	Electronics	50000.00
3	4	Headphones	Electronics	800.00
4	5	Book	NULL	1500.00

e. `select * from PRODUCT where CATEGORY='Electronics';`

	PRODUCT_ID	PRODUCT_NAME	CATEGORY	PRICE
1	2	Laptop	Electronics	50000.00
2	4	Headphones	Electronics	800.00

f. `select * from PRODUCT where category LIKE '%on%';`

	PRODUCT_ID	PRODUCT_NAME	CATEGORY	PRICE
1	2	Laptop	Electronics	50000.00
2	3	Pen	Stationery	10.00
3	4	Headphones	Electronics	800.00

g. `select count(*) as TOTAL_PRODUCTS from PRODUCT;`

	TOTAL_PRODUCTS
1	5

h. `select avg(PRICE) as AVG_PRICE from PRODUCT;`

	AVG_PRICE
1	10492.000000

i. `select sum(PRICE) as TOTAL_PRICE from PRODUCT;`

	TOTAL_PRICE
1	52460.00

j. `select max(PRICE) as MOST_EXPENSIVE_PRODUCT,min(PRICE) as CHEAPEST_PRODUCT from PRODUCT;`

	MOST_EXPENSIVE_PRODUCT	CHEAPEST_PRODUCT
1	50000.00	10.00