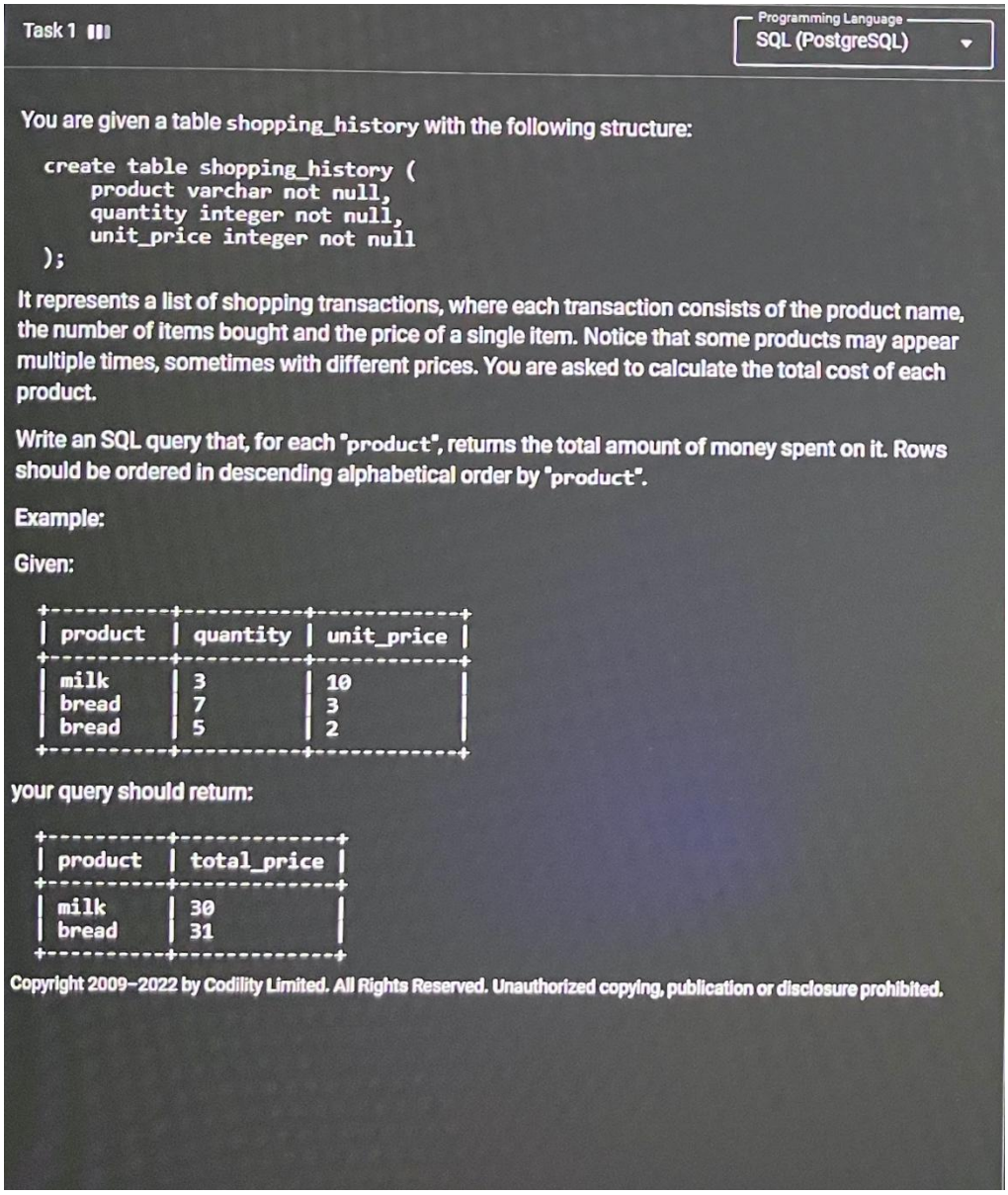
TASK 1:

Question:

Create the following table structure in SNOWFLAKE by creating your own warehouse. Insert some 10 rows using INSERT command (check task 3 and same way insert for all task tables) in the table by trying different values for all the columns and then check using SELECT *

Once data is loaded, performed the below task



Task 1

Programming Language: SQL (PostgreSQL)

You are given a table `shopping_history` with the following structure:

```
create table shopping_history (
    product varchar not null,
    quantity integer not null,
    unit_price integer not null
);
```

It represents a list of shopping transactions, where each transaction consists of the product name, the number of items bought and the price of a single item. Notice that some products may appear multiple times, sometimes with different prices. You are asked to calculate the total cost of each product.

Write an SQL query that, for each "`product`", returns the total amount of money spent on it. Rows should be ordered in descending alphabetical order by "`product`".

Example:

Given:

product	quantity	unit_price
milk	3	10
bread	7	3
bread	5	2

your query should return:

product	total_price
milk	30
bread	31

Solution:

```
create table shopping_history (
product varchar (30) NOT NULL,
quantity int NOT NULL,
unit_price int NOT NULL);

insert into shopping_history VALUES ('milk',3,10) ;
insert into shopping_history VALUES ('bread',7,3) ;
insert into shopping_history VALUES ('bread',5,2) ;

select * from shopping_history;

select product, sum(quantity*unit_price) AS total_price
from shopping_history GROUP BY product;
```

OUTPUT:

	product	total_price
▶	milk	30
	bread	31