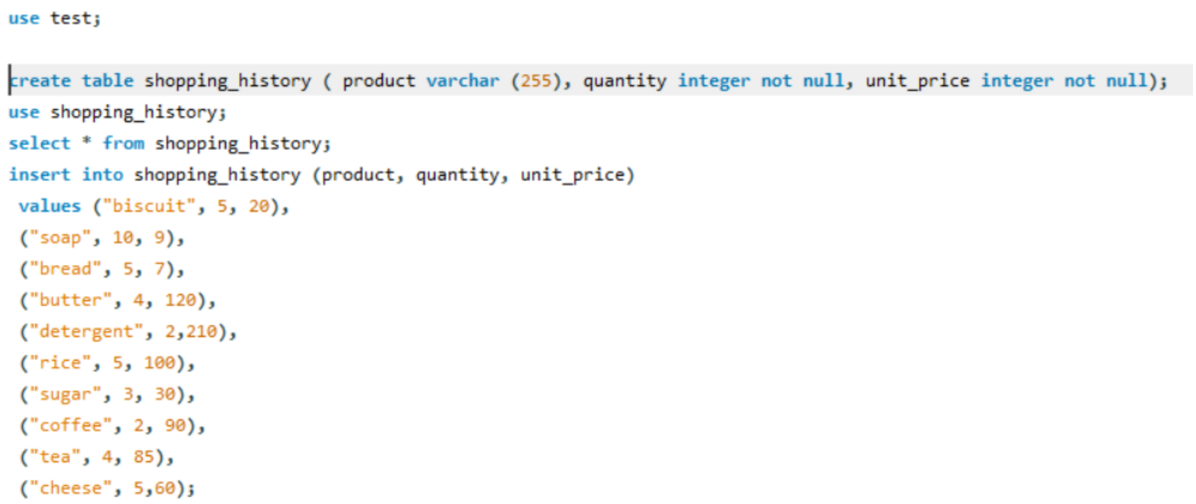
Create the following table structure in SNOWFLAKE by creating your own warehouse. Insert some 10 rows using INSERT command (check task 3 and same way insert for all task tables) in the table by trying different values for all the columns and then check using SELECT *

Once data is loaded, performed the below task

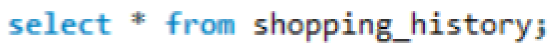
<u>Task 1:</u>

Answer:

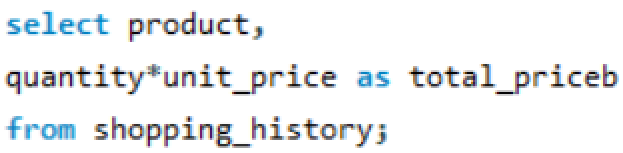
SQL Query:



```
use test;

create table shopping_history ( product varchar (255), quantity integer not null, unit_price integer not null);
use shopping_history;
select * from shopping_history;
insert into shopping_history (product, quantity, unit_price)
 values ("biscuit", 5, 20),
 ("soap", 10, 9),
 ("bread", 5, 7),
 ("butter", 4, 120),
 ("detergent", 2,210),
 ("rice", 5, 100),
 ("sugar", 3, 30),
 ("coffee", 2, 90),
 ("tea", 4, 85),
 ("cheese", 5,60);
```

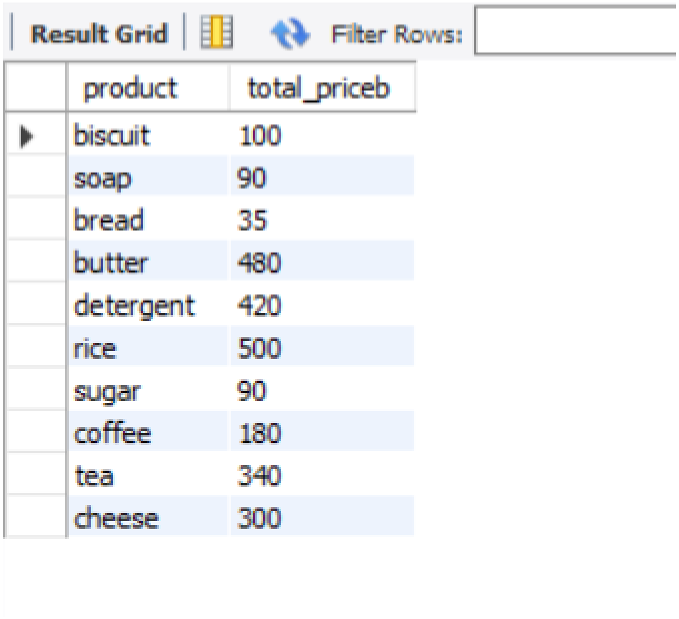


```
select * from shopping_history;
```



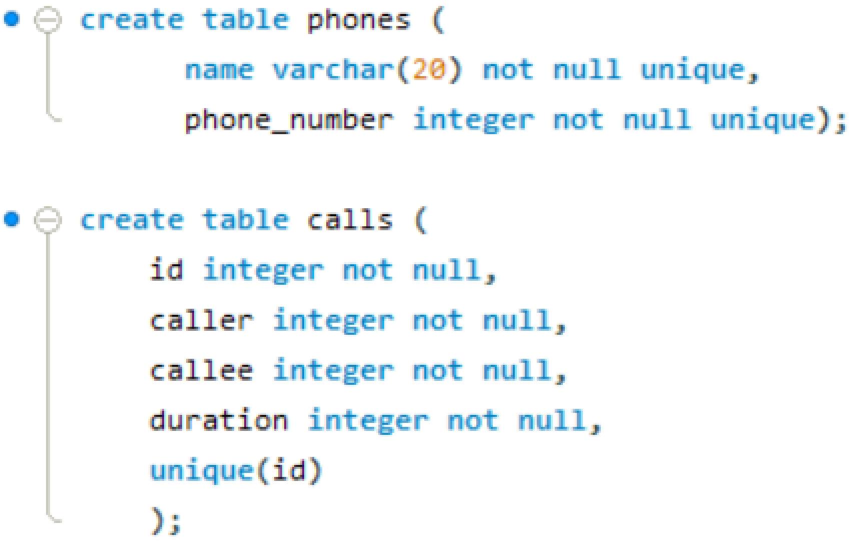
```
select product,
quantity*unit_price as total_priceb
from shopping_history;
```

Out put snapshot :

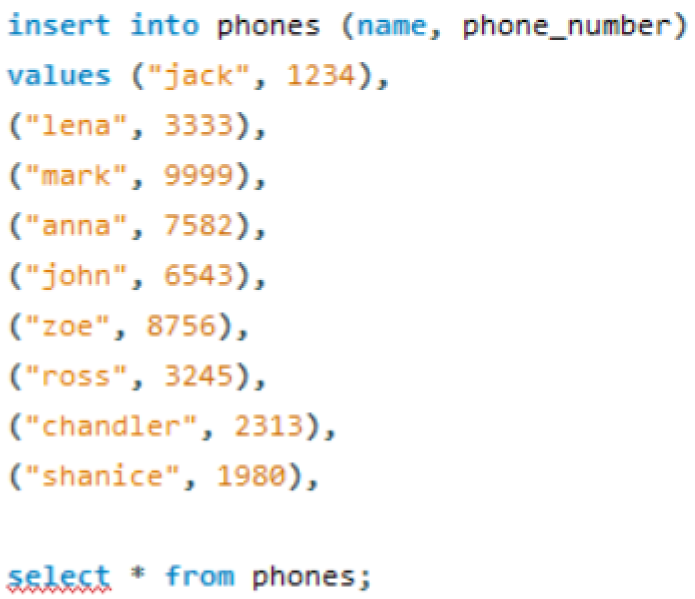


product	total_priceb
biscuit	100
soap	90
bread	35
butter	480
detergent	420
rice	500
sugar	90
coffee	180
tea	340
cheese	300

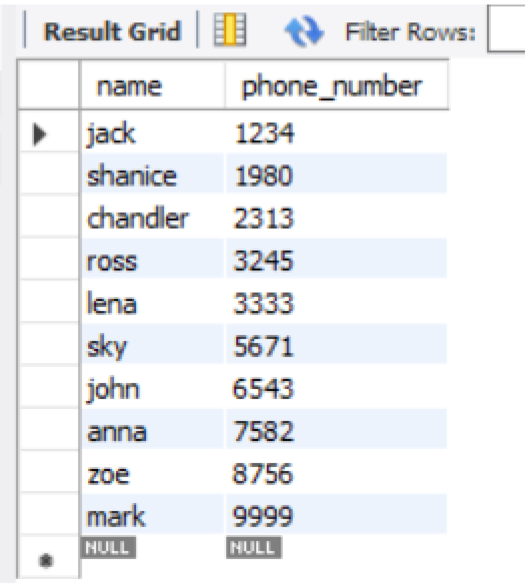
Task 2:



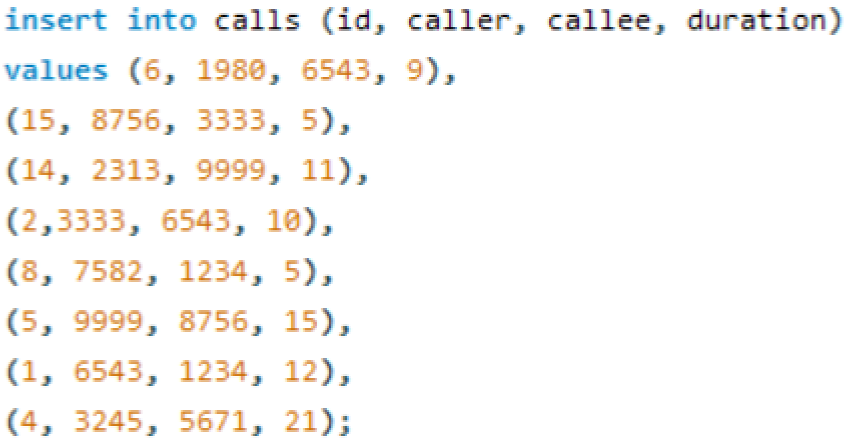
```
create table phones (
        name varchar(20) not null unique,
        phone_number integer not null unique);

create table calls (
      id integer not null,
      caller integer not null,
      callee integer not null,
      duration integer not null,
      unique(id)
      );
```



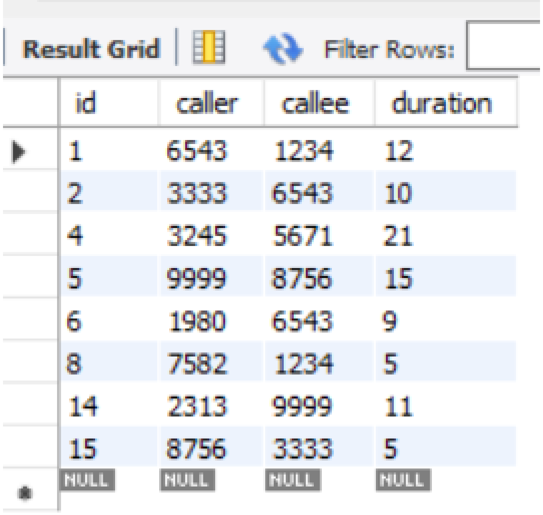
```
insert into phones (name, phone_number)
values ("jack", 1234),
("lena", 3333),
("mark", 9999),
("anna", 7582),
("john", 6543),
("zoe", 8756),
("ross", 3245),
("chandler", 2313),
("shanice", 1980),

select * from phones;
```



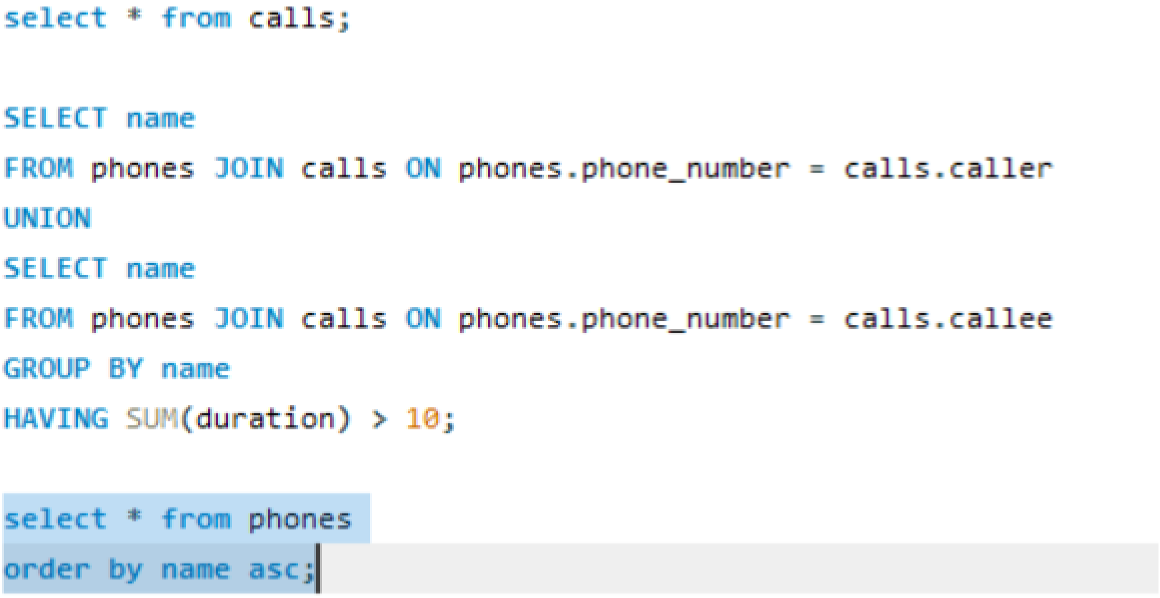
name	phone_number
jack	1234
shanice	1980
chandler	2313
ross	3245
lena	3333
sky	5671
john	6543
anna	7582
zoe	8756
mark	9999
NULL	NULL



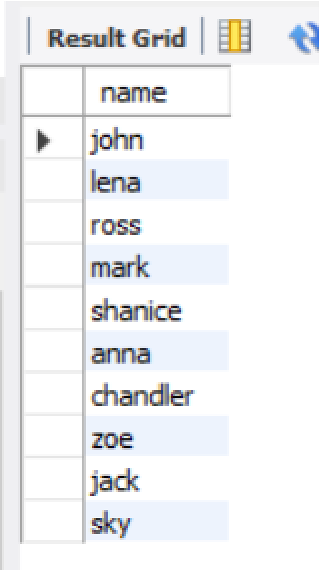
```
insert into calls (id, caller, callee, duration)
values (6, 1980, 6543, 9),
(15, 8756, 3333, 5),
(14, 2313, 9999, 11),
(2,3333, 6543, 10),
(8, 7582, 1234, 5),
(5, 9999, 8756, 15),
(1, 6543, 1234, 12),
(4, 3245, 5671, 21);
```



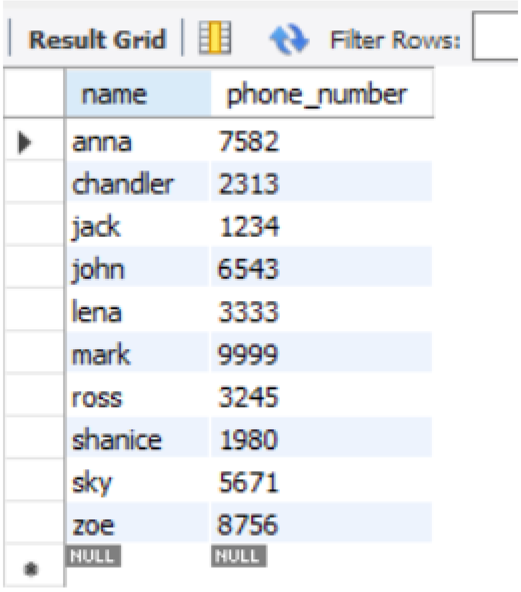
id	caller	callee	duration
1	6543	1234	12
2	3333	6543	10
4	3245	5671	21
5	9999	8756	15
6	1980	6543	9
8	7582	1234	5
14	2313	9999	11
15	8756	3333	5
NULL	NULL	NULL	NULL



```
select * from calls;

SELECT name
FROM phones JOIN calls ON phones.phone_number = calls.caller
UNION
SELECT name
FROM phones JOIN calls ON phones.phone_number = calls.callee
GROUP BY name
HAVING SUM(duration) > 10;

select * from phones
order by name asc;
```

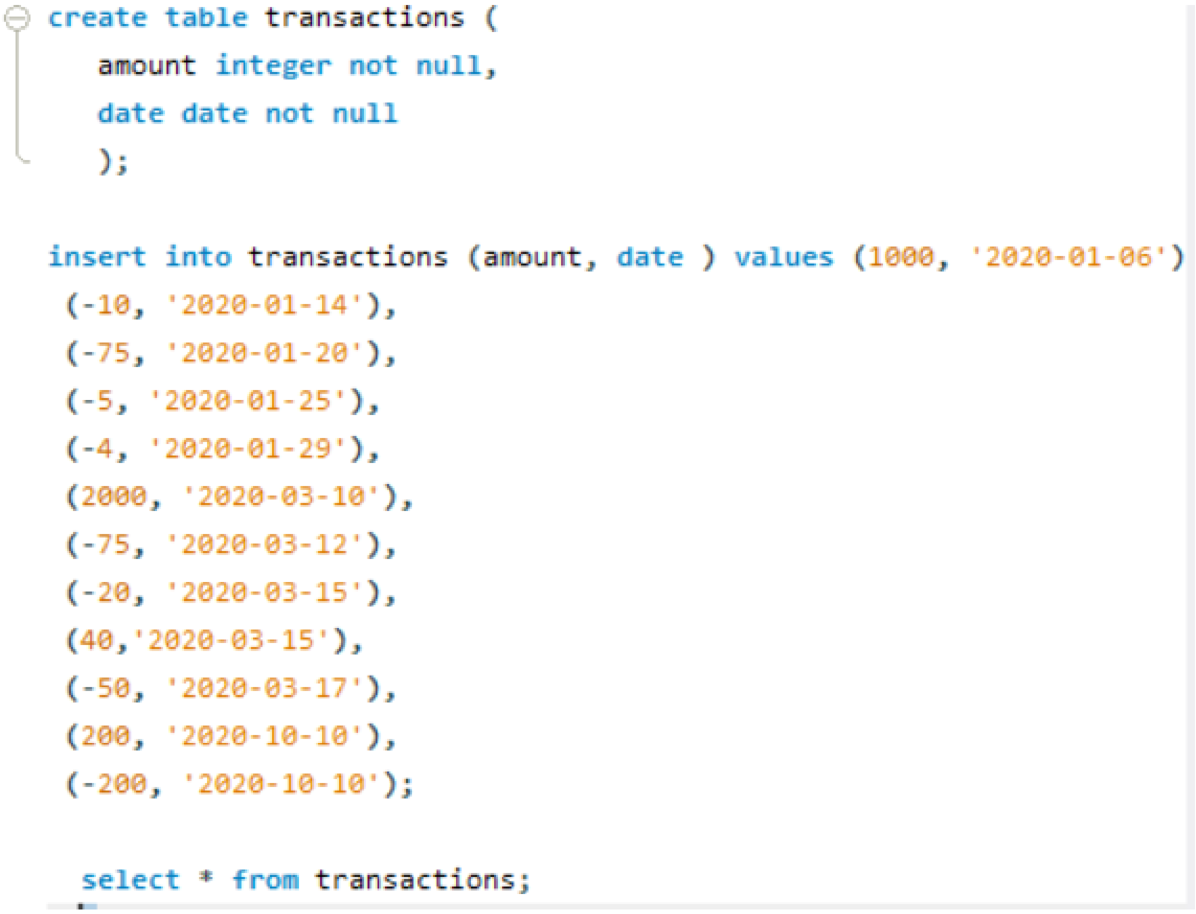


name
john
lena
ross
mark
shanice
anna
chandler
zoe
jack
sky

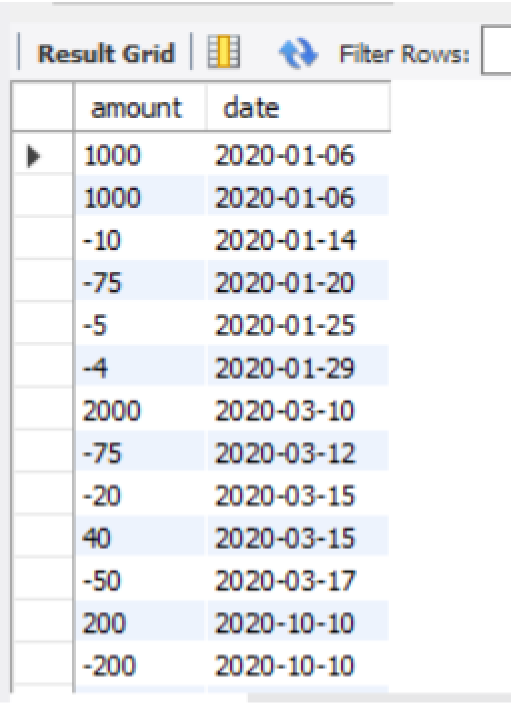


name	phone_number
anna	7582
chandler	2313
jack	1234
john	6543
lena	3333
mark	9999
ross	3245
shanice	1980
sky	5671
zoe	8756
NULL	NULL

Task - 3



```
create table transactions (
   amount integer not null,
   date date not null
   );

insert into transactions (amount, date ) values (1000, '2020-01-06')
 (-10, '2020-01-14'),
 (-75, '2020-01-20'),
 (-5, '2020-01-25'),
 (-4, '2020-01-29'),
 (2000, '2020-03-10'),
 (-75, '2020-03-12'),
 (-20, '2020-03-15'),
 (40,'2020-03-15'),
 (-50, '2020-03-17'),
 (200, '2020-10-10'),
 (-200, '2020-10-10');

  select * from transactions;
```



amount	date
1000	2020-01-06
1000	2020-01-06
-10	2020-01-14
-75	2020-01-20
-5	2020-01-25
-4	2020-01-29
2000	2020-03-10
-75	2020-03-12
-20	2020-03-15
40	2020-03-15
-50	2020-03-17
200	2020-10-10
-200	2020-10-10