

```
create database fsda_assingement
use fsda_assingement
```

--ASSINGEMENT 1 --

```
create table daily_shopping(
product varchar(20) not null ,
quantity int not null ,
price int not null )

insert into daily_shopping values('milk' , 5 , 30 )
insert into daily_shopping values('milk' , 2 , 40 )

insert into daily_shopping values('milk' , 1 , 50 )
insert into daily_shopping values('bread' , 3 , 10)
insert into daily_shopping values('bread' , 2 , 15)
insert into daily_shopping values('bread' , 1 , 20)
insert into daily_shopping values('jam' , 6 , 10 )
insert into daily_shopping values('jam' , 4 , 15)
insert into daily_shopping values('juice' , 6 , 10)
insert into daily_shopping values('juice' , 2 , 20)

select * from daily_shopping

with output as (select product , (quantity*price) as total_exp from
daily_shopping)
select product , sum(total_exp) from output group by product order by
sum(total_exp)
```

--ASSINGEMENT 2 --

```
create table phone (
name varchar(30) not null unique ,
phone_number int not null unique )

insert into phone values('jack','1234')
insert into phone values('lena', 3333 )
insert into phone values('mark' , 9999)
insert into phone values('anna',7582 )

select * from phone

create table calls (
id int,
caller int,
callee int ,
duration int )

insert into calls values(25 , 1234 , 7582 , 8)
insert into calls values(7 , 9999 , 7582 , 1)
insert into calls values(18 , 9999 , 3333 , 4)
```

```
insert into calls values(2 , 7582 , 3333 , 3)
insert into calls values(3 , 3333 , 1234 , 1)
insert into calls values(21 , 3333 , 1234 , 1)
```

```
with call_duration as (
select caller as phone_number , sum(duration) as duration from calls group by
caller
union all
select callee as phone_number , sum(duration) as duration from calls group by
callee )
select name from phone p join call_duration cd on cd.phone_number = p.phone_number
group by name
having sum(duration) >= 10
order by name ;
```

--assingement 3--

```
create table phone1 (
name varchar(30) not null unique ,
phone_number int not null unique )

insert into phone1 values('john','6356')
insert into phone1 values('addison', 4315 )
insert into phone1 values('kate' , 8003)
insert into phone1 values('ginny',9831 )
```

```
select * from phone1
```

```
create table calls1 (
id int,
caller int,
callee int ,
duration int )

insert into calls1 values (65 , 8003 , 9831 , 7)
insert into calls1 values(100 , 9831 , 8003 , 3)
insert into calls1 values(145 , 4315 , 9831 , 18)
```

```
select * from calls1
```

```
with call_duration1 as
(select caller as phone_number , sum(duration) as duration from calls1 group by
caller
union all
select callee as phone_number , sum(duration) as duration from calls1 group by
callee)
select name from phone1 p join call_duration1 cd1 on p.phone_number =
cd1.phone_number
group by name
having sum(duration) >= 10
order by name
```