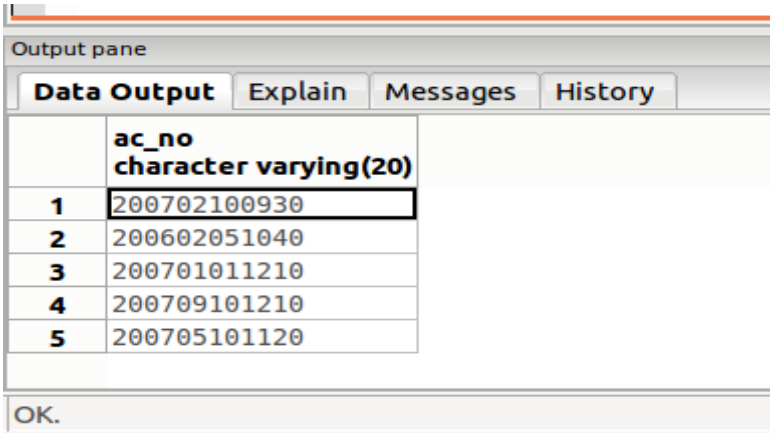
SQL QUERIES

(A) List ac_no of customer having due payment more than 5000000.

SQL-

```
set search_path to production;
select ac_no from
(select ac_no, cost_of_account-total_advance as due_payment
from (select ac_no, sum(amount) as total_advance from advance group by
ac_no) as G natural join
(select ac_no, sum(final_cost) as cost_of_account
from
(select o_id,total_transportation_charge + cost_of_order as final_cost
from
(select o_id, sum(cost_of_item) as cost_of_order
from
(select o_id,product_cost+additional_charge as cost_of_item
from (select o_id,i_id,qty*rate as product_cost
from item) as A natural join item) as B
group by o_id) as C natural join (select o_id, sum(transportation_charge) as
total_transportation_charge from transportation
group by o_id) as D) as E natural join order_detail
group by ac_no) as F) as H
where due_payment> 5000000
```

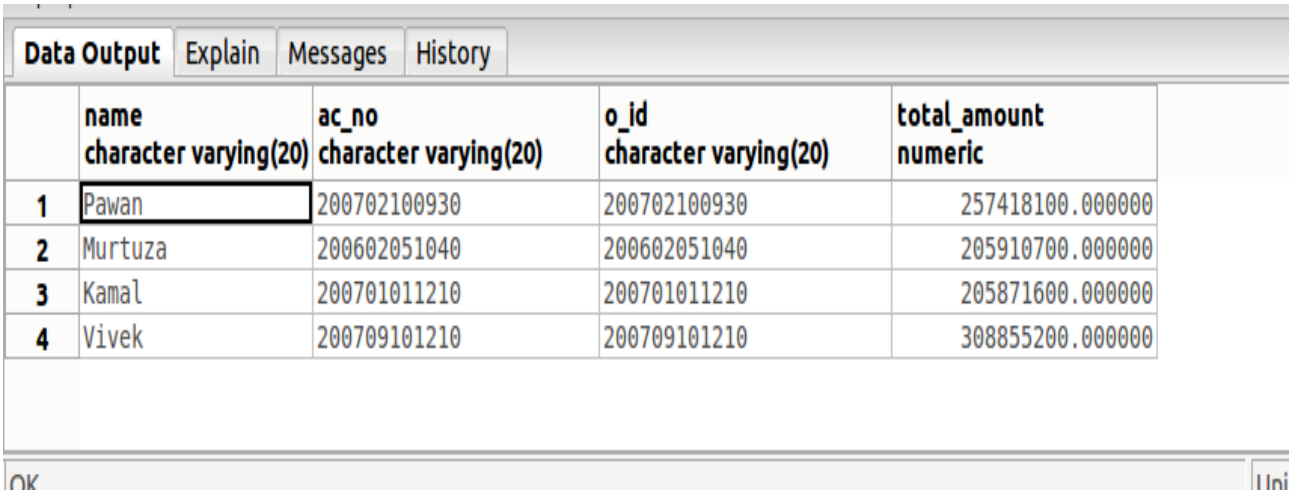


(B) List name, ac_no, o_id of customers with total amount payable> 200000000

SQL-

```
set search_path to production;
select name, ac_no, o_id, total_amount
from
(select o_id, ac_no,total_amount
from
(select o_id, total_transportation_charge + cost_of_order as total_amount
```

```
from
(select o_id, sum(cost_of_item) as cost_of_order
from
(select o_id,(product_cost + additional_charge) as cost_of_item
from
(select qty* rate as product_cost from item) as A natural join item) as B
group by o_id) as C
natural join
(select o_id, sum(transportation_charge) as total_transportation_charge
from transportation
group by o_id) as D) as E natural join order_detail) as F natural join
customer_detail
where total_amount> 200000000
```



Data Output | Explain | Messages | History

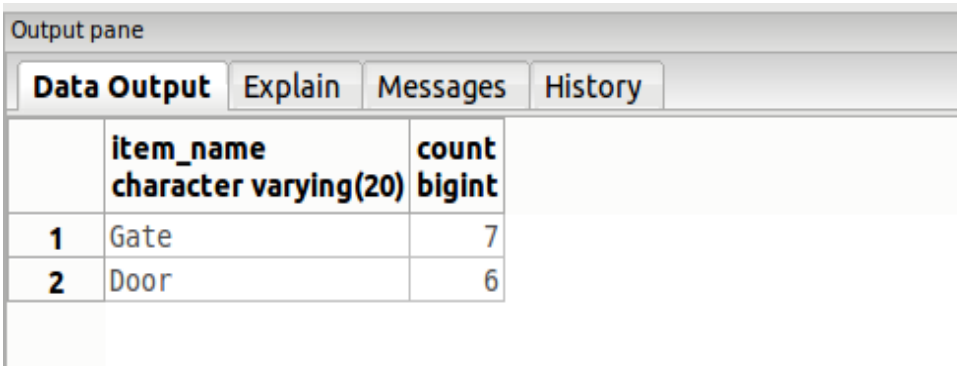
	name character varying(20)	ac_no character varying(20)	o_id character varying(20)	total_amount numeric
1	Pawan	200702100930	200702100930	257418100.000000
2	Murtuza	200602051040	200602051040	205910700.000000
3	Kamal	200701011210	200701011210	205871600.000000
4	Vivek	200709101210	200709101210	308855200.000000

OK

(C) List item names and their count which feature more than 5 times. (Popular items)

SQL-

```
set search_path to production;
select item_name, count(o_id)
from item_detail natural join item
group by item_name
having count(o_id) > 5
```



Output pane

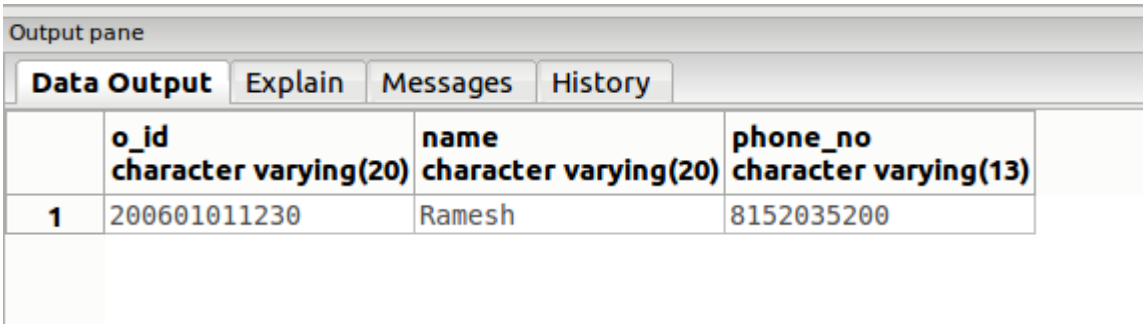
Data Output | Explain | Messages | History

	item_name character varying(20)	count bigint
1	Gate	7
2	Door	6

(D) List name, phone no., address, orders of customer who's ac_no='200601011230'.

SQL-

```
set search_path to production;
select o_id, name, phone_no from customer_detail natural join order_detail
where ac_no = '200601011230'
```



Output pane

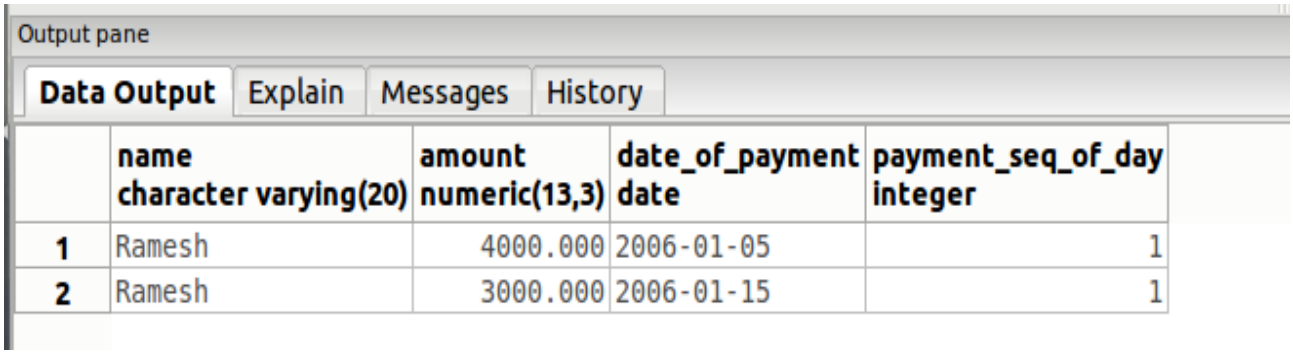
Data Output | Explain | Messages | History

	o_id character varying(20)	name character varying(20)	phone_no character varying(13)
1	200601011230	Ramesh	8152035200

(E) List the payment details of a customer with ac_no='200601011230'.

SQL-

```
set search_path to production;
select name, amount, date_of_payment, payment_seq_of_day
from customer_detail natural join advance
where ac_no= '200601011230'
```



Output pane

Data Output | Explain | Messages | History

	name character varying(20)	amount numeric(13,3)	date_of_payment date	payment_seq_of_day integer
1	Ramesh	4000.000	2006-01-05	1
2	Ramesh	3000.000	2006-01-15	1

(F) List total of each item of order id= '200601011230'.

SQL-

```
set search_path to production;
select i_id, item_name, specification, qty, rate,item_cost,
trans_charge_of_one_item,additional_charge, item_cost + additional_charge +
trans_charge_of_one_item as total
from (select i_id, item_name, specification, qty, rate, qty*rate as item_cost,
additional_charge
from item natural join item_detail
where o_id='200601011230') as A natural join (select i_id,
sum(transportation_charge) as trans_charge_of_one_item
from delivery join transportation on delivery.o_id= transportation.o_id
group by i_id
```

order by i_id) as B

Output pane

Data Output | Explain | Messages | History

	i_id character varyin	item_name character varying	specification character varying	qty numeric(	rate numeric(8	item_cost numeric	trans_charg numeric	additional_char numeric(13,3)	total numeric
1	200601011230-1	Gate	7 feet X 4 feet	150.000	7000.000	1050000.000000	1800	1000.000	1052800.000000
2	200601011230-2	Grill	3 feet X 5 feet	160.000	2000.000	320000.000000	1800	0.000	321800.000000
3	200601011230-3	Colapsible Gate	8 feet X 6 feet	180.000	2500.000	450000.000000	1800	500.000	452300.000000