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Lab 3 – Getting Started With SQL Queries

CMPT 308 111

Professor Labouseur

Query 1: List the name and city of agents named Smith.

```
select a.name, a.city
from agents as a
where (a.name = 'Smith');
```

	Data Output	Explain	Messa
	name text	city text	
1	Smith	New York	
2	Smith	Dallas	

Query 2: List the pid, name, and quantity of products costing more than US\$1.25.

```
select p.pid, p.name, p.quantity
from products as p
where p.priceUSD > 1.25;
```

	Data Output	Explain	Messages	Histo
	pid character(3)	name text	quantity integer	
1	p06	folder	123100	

Query 3: List the ordno and aid of all orders.

```
select o.ordno, o.aid
from orders as o;
```

	ordno integer	aid character(3)
1	1011	a01
2	1013	a03
3	1015	a03
4	1016	a01
5	1017	a06
6	1018	a03
7	1019	a02
8	1020	a03
9	1021	a06
10	1022	a05
11	1023	a04
12	1024	a06
13	1025	a05
14	1026	a05

Query 4: List the names and cities of customers in Dallas.

```
select c.name, c.city
from customers as c
where c.city = 'Dallas';
```

	name text	city text
1	Basics	Dallas
2	Allied	Dallas

Query 5: List the names of agents not in New York and not in Newark.

```
select a.name
from agents as a
where (a.city != 'New York')
      and (a.city != 'Newark')
order by a.name;
```

Data Output		Ex
	name text	
1	Bond	
2	Brown	
3	Otasi	
4	Smith	

Query 6: List all data for products not in New York or Newark that cost US\$1 or more.

```
select *
from products as p
where (p.priceUSD >= 1.00)
      and (p.city != 'New York')
      and (p.city != 'Newark');
```

Data Output						Explain	Messages	History
	pid character(3)	name text	city text	quantity integer	priceusd numeric(10,2)			
1	p03	razor	Duluth	150600	1.00			
2	p04	pen	Duluth	125300	1.00			
3	p05	pencil	Dallas	221400	1.00			
4	p06	folder	Dallas	123100	2.00			

Query 7: List all data for orders in January or March.

```
select *
from orders as o
where (o.mon = 'jan')
      or (o.mon = 'mar');
```

Data Output Explain Messages History							
	ordno integer	mon character(3)	cid character(4)	aid character(3)	pid character(3)	qty integer	dollars numeric(12,2)
1	1011	jan	c001	a01	p01	1000	450.00
2	1013	jan	c002	a03	p03	1000	880.00
3	1015	jan	c003	a03	p05	1200	1104.00
4	1016	jan	c006	a01	p01	1000	500.00
5	1022	mar	c001	a05	p06	400	720.00
6	1023	mar	c001	a04	p05	500	450.00
7	1024	mar	c006	a06	p01	800	400.00

Query 8: List all data for orders in February less than US\$100.

```
select *
from orders as o
where (o.mon = 'feb')
      and (o.dollars < 100);
```

Data Output Explain Messages History							
	ordno integer	mon character(3)	cid character(4)	aid character(3)	pid character(3)	qty integer	dollars numeric(12,2)

//empty table

Query 9: List all orders from the customer whose cid is c001.

```
select *
from orders as o
where o.cid = 'c001';
```

	Data Output	Explain	Messages	History			
	ordno integer	mon character(3)	cid character(4)	aid character(3)	pid character(3)	qty integer	dollars numeric(12,2)
1	1011	jan	c001	a01	p01	1000	450.00
2	1017	feb	c001	a06	p03	600	540.00
3	1018	feb	c001	a03	p04	600	540.00
4	1019	feb	c001	a02	p02	400	180.00
5	1022	mar	c001	a05	p06	400	720.00
6	1023	mar	c001	a04	p05	500	450.00
7	1025	apr	c001	a05	p07	800	720.00