Oracle Practice #2

```sql
select pack_id, speed, monthly_payment from acdb_packages;

select customer_id, first_name, last_name, main_phone_num, secondary_phone_num, pack_id from acdb_customers;

select first_name, last_name, pack_id from acdb_customers where last_name = 'King';

select first_name, last_name, pack_id, monthly_discount from acdb_customers where monthly_discount < 10;
```

Oracle Practice #3

```sql
select pack_id, speed, strt_date, monthly_payment, monthly_payment * 12 AS "Y_INCOME" from acdb_packages;

select first_name || ' ' || last_name as "FULL_NAME", main_phone_num || ' , ' || secondary_phone_num as "CONTACT_DETAILS"  from acdb_customers;

select first_name as "FN", last_name as "LN", monthly_discount as "DC", city || ' ' || street as "FULL_ADDRESS"  from acdb_customers;
```

Oracle Practice #4

```sql
select distinct city from acdb_customers;

select distinct city, state from acdb_customers;

select first_name, monthly_discount from acdb_customers where first_name like '%e';

select last_name, pack_id from acdb_customers where last_name like '_d%';
```

Oracle Practice #5

```sql
select first_name, join_date, pack_id from acdb_customers where first_name not like "a%" order by pack_id;

select first_name, join_date, monthly_discount, pack_id from acdb_customers where monthly_discount > 28 order by monthly_discount, pack_id;

select first_name, join_date, monthly_discount, pack_id from acdb_customers where monthly_discount > 28 order by monthly_discount desc, pack_id;

select first_name, join_date, monthly_discount from acdb_customers where monthly_discount between 28 and 30;

select first_name, join_date, monthly_discount from acdb_customers where monthly_discount >= 28 and monthly_discount <= 30;

select first_name, join_date from acdb_customers where first_name between 'B' and 'C';
```

Oracle Practice #6

```sql
select c.last_name, c.first_name, c.pack_id, p.speed from acdb_customers  c, acdb_packages  p where c.pack_id = p.pack_id;

select p.pack_id, p.speed, p.monthly_payment, s.sector_name from acdb_packages p, acdb_sectors s  where p.sector_id = s.sector_id;

select c.last_name, c.first_names, p.pack_id, p.speed, p.monthly_payment, s.sector_name from acdb_packages p, acdb_sectors s, acdb_customers c
where p.sector_id = s.sector_id and c.pack_id = p.pack_id;

select c.last_name, c.first_names, p.pack_id, p.speed, p.monthly_payment, s.sector_name from acdb_packages p, acdb_sectors s, acdb_customers c
where p.sector_id = s.sector_id and c.pack_id = p.pack_id and s.sector_name = 'Business';
```

Oracle Practice #7

```sql
select customer_id
from acdb_customers
where monthly_discount > 5
intersect
select customer_id
from acdb_customers c, acdb_packages p
where c.pack_id = p.pack_id and p.monthly_payment > 100;


select city
from acdb_customers
where state='California'
union all
select city
from acdb_customers c, acdb_sectors s, acdb_packages p
where c.pack_id = p.pack_id and p.sector_id = s.sector_id and s.sector_name = 'Business';


select last_name, first_name
from acdb_customers c, acdb_sectors s, acdb_packages p
where c.pack_id = p.pack_id and p.sector_id = s.sector_id and s.sector_name = 'Private'
minus
select last_name, first_name
from acdb_customers
where city = 'Seattle' or city = 'San Francisco';
```

Oracle Practice #8

```sql
select pack_id, speed, sector_id
from acdb_packages
where sector_id = (select sector_id from acdb_packages where pack_id = 10);


select first_name, last_name, join_date
from acdb_customers
where extract(year from join_date) =
    (select extract(year from join_date) from acdb_customers where customer_id = 372)
    AND
    extract (month from join_date) =
    (select extract(month from join_date) from acdb_customers where customer_id = 372);


select customer_id, first_name, city, state, birth_date, monthly_discount
from acdb_customers
where birth_date = (select birth_date from acdb_customers where customer_id = 179)
        AND
        monthly_discount >
        (select monthly_discount from acdb_customers where customer_id = 107);
```

Oracle Practice #9

```sql
select first_name, last_name, city, state, pack_id
from acdb_customers
where pack_id IN (select pack_id from acdb_packages where speed = '5Mbps');


select first_name, monthly_discount, pack_id, main_phone_num, secondary_phone_num
from acdb_customers
where pack_id IN
    (select pack_id
    from acdb_packages
    where sector_id IN
        ( select sector_id
        from acdb_sectors
        where sector_name = 'Business'));


select pack_id, speed, monthly_payment
from acdb_packages
where monthly_payment > ALL (select monthly_payment from acdb_packages where speed='5Mbps');


select pack_id, speed, monthly_payment
from acdb_packages
where monthly_payment > ANY (select monthly_payment from acdb_packages where speed='5Mbps');
```

Oracle Practice #10

```sql
select min(last_name), max(last_name) from acdb_customers;

select count(state), count(distinct state) from acdb_customers;

select min(monthly_discount), max(monthly_discount), avg(monthly_discount) from acdb_customers;

select first_name, last_name from acdb_customers where monthly_discount >
    (select avg(monthly_discount) from acdb_customers);
```

Oracle Practice #11

```sql
select count(*) as CNT, state
from acdb_customers
group by state
order by cnt desc;


select pack_id, count(*)
from acdb_customers
group by pack_id;


select pack_id, count(*)
from acdb_customers
where monthly_discount > 20
group by pack_id;
```

Oracle Practice #12

```sql
select pack_id, count(*)
from acdb_customers
group by pack_id
having count(*) > 100;


select min(monthly_discount), state
from acdb_customers
group by state;

select min(monthly_discount), state
from acdb_customers
group by state
having min(monthly_discount) > 10;


select count(*), speed
from acdb_packages
where monthly_payment > 50
group by speed
having count(*) > 3;
```

Oracle Practice #13

```
select cust.last_name, cust.first_name, pack.speed, pack.monthly_payment
from acdb_customers cust, acdb_packages pack
where cust.pack_id = pack.pack_id;


select cust.last_name, cust.first_name, pack.speed, pack.monthly_payment
from acdb_customers cust left outer join acdb_packages pack
on cust.pack_id = pack.pack_id;


select cust.last_name, cust.first_name, pack.speed, pack.monthly_payment
from acdb_customers cust right outer join acdb_packages pack
on cust.pack_id = pack.pack_id;

select cust.last_name, cust.first_name, pack.speed, pack.monthly_payment
from acdb_customers cust full outer join acdb_packages pack
on cust.pack_id = pack.pack_id;
```