--make table

--CREATE TABLE Product(

--name CHAR(50) PRIMARY KEY,

--price DOUBLE,

--category VARCHAR(30)

--)

--make table

--CREATE TABLE Purchased(

--name CHAR(50),

--firstname CHAR(50),

--lastname CHAR(50),

--date DATE,

--PRIMARY KEY (name, firstname, lastname),

--FOREIGN KEY(name)

-- REFERENCE Product,

--FOREIGN KEY(firstname, lastname)

-- REFERENCE Person

--)

--Schema of table

--Product(Pname:string, Price:float, Caterogy: string, Manufacturer:string)

--<<Oracle Practice #1>>

--create table student (sid integer, name varchar(20), gpa float);

--insert into student values (123, 'Bob', 3.9);

--insert into student values (143, 'Jim', 4.2);

--select \* from student;

--<<Oracle Practice #1>>

--create table Product (Pname varchar(20), Price float, Manufacturer varchar(20));

--insert into Product values('Gizmo', 19.99, 'GizmoWorks');

--insert into Product values('Powergizmo', 29.99, 'GizmoWorks');

--insert into Product values('SingleTouch', 149.99, 'Canon');

--insert into Product values('MultiTouch', 203.99, 'Hitachi');

--select \* from Product;

--<<Oracle Practice #2>>

--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>>

--select pack\_id, speed, strt\_date, monthly\_payment, monthly\_payment \* 12 as y\_income

--from ACDB\_PACKAGES;

--select last\_name ||' '|| first\_name as full\_name, main\_phone\_num||', '||secondary\_phone\_num as contact\_details --single quatation

--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>>

--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>>

--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 ASC;

--select first\_name, JOIN\_DATE, MONTHLY\_DISCOUNT

--from ACDB\_CUSTOMERS

--where monthly\_discount BETWEEN 28 and 30;

--select first\_name, join\_date

--from ACDB\_CUSTOMERS

--where FIRST\_NAME between 'B' and 'C';

--Declaring Foreign Keys

--Student(sid: string, name: string, gpa: float)

--enrolled(student\_id:string, cid:string, grade:string)

--

--create table enrolled(

-- student\_id CHAR(20),

-- cid CHAR(20),

-- grade CHAR(10),

-- primary key (student\_id, cid),

-- foreign key (studnent\_id) reference Students(sid)

--)

--<<Oracle Practice #6>>

--select c.first\_name, c.last\_name, p.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\_id

--from ACDB\_PACKAGES p , ACDB\_SECTORS s

--where P.SECTOR\_ID = S.SECTOR\_ID;

--select c.first\_name, c.last\_name, p.speed, P.MONTHLY\_PAYMENT, S.SECTOR\_NAME

--from ACDB\_CUSTOMERS c, ACDB\_PACKAGES p, ACDB\_SECTORS s

--where c.pack\_id = p.pack\_id and p.sector\_id = s.sector\_id;

--select C.FIRST\_NAME, C.LAST\_NAME, P.PACK\_ID, P.SPEED, P.MONTHLY\_PAYMENT, S.SECTOR\_NAME

--from acdb\_customers c, acdb\_packages p, acdb\_sectors s

--where C.PACK\_ID=P.PACK\_ID and P.SECTOR\_ID = S.SECTOR\_ID and S.SECTOR\_NAME = 'Business';

--select C.FIRST\_NAME, C.LAST\_NAME, P.PACK\_ID, P.SPEED, P.MONTHLY\_PAYMENT, S.SECTOR\_NAME

--from acdb\_customers c

--join ACDB\_PACKAGES p on C.PACK\_ID = P.PACK\_ID

--join ACDB\_SECTORS s on P.SECTOR\_ID = S.SECTOR\_ID and S.SECTOR\_NAME = 'Business';

--<<Oracle Practice #7>>

--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

--select city

--from ACDB\_CUSTOMERS c, ACDB\_PACKAGES p, ACDB\_SECTORS s

--where C.PACK\_ID = P.PACK\_ID and P.SECTOR\_ID = S.SECTOR\_ID and S.SECTOR\_NAME = 'Business';

--select city

--from ACDB\_CUSTOMERS

--where state = 'California'

--union all

--select city

--from ACDB\_CUSTOMERS c, ACDB\_PACKAGES p, ACDB\_SECTORS s

--where C.PACK\_ID = P.PACK\_ID and P.SECTOR\_ID = S.SECTOR\_ID and S.SECTOR\_NAME = 'Business';

--select first\_name, last\_name

--from ACDB\_CUSTOMERS c, ACDB\_PACKAGES p, ACDB\_SECTORS s

--where C.PACK\_ID=P.PACK\_ID and P.SECTOR\_ID = S.SECTOR\_ID and S.SECTOR\_NAME = 'Private'

--minus

--select first\_name, last\_name

--from ACDB\_CUSTOMERS

--where city='Seattle' or city='San Francisco';

--<<Oracle Practice #8>>

--select pack\_id speed, sector\_id

--from ACDB\_PACKAGES p

--where P.SECTOR\_ID in

--(select P.SECTOR\_ID

--from acdb\_packages p

--where p.pack\_id =10);

--select first\_name, last\_name, join\_date

--from ACDB\_CUSTOMERS

--where EXTRACT(month from join\_date) = (select EXTRACT(month from join\_date) from ACDB\_CUSTOMERS where customer\_id = 372)

--and extract(year from join\_date) = (select extract(year from join\_date) from ACDB\_CUSTOMERS where customer\_id = 372);

--select 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>>

--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>>

--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 as name

--from ACDB\_CUSTOMERS

--where MONTHLY\_DISCOUNT > (select avg(MONTHLY\_DISCOUNT) from acdb\_customers);

--<<Oracle Practice #11>>

--select state, count(customer\_id) as CNT

--from ACDB\_CUSTOMERS

--group by state

--order by CNT;

--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>>

--select pack\_id,count(\*)

--from acdb\_customers

--group by pack\_id

--having count(\*) > 100;

--select state, min(monthly\_discount)

--from ACDB\_CUSTOMERS

--group by state;

--select state, min(monthly\_discount)

--from ACDB\_CUSTOMERS

--group by state

--having min(MONTHLY\_DISCOUNT)>10;

--select speed, count(\*)

--from ACDB\_PACKAGES

--where MONTHLY\_PAYMENT > 50

--group by speed

--having count(\*) > 3;

--<<Oracle Practice #13>>

--select first\_name, last\_name, p.speed, p.monthly\_payment

--from ACDB\_CUSTOMERS c

--join ACDB\_PACKAGES p on C.PACK\_ID = P.PACK\_ID;

--select C.FIRST\_NAME, C.LAST\_NAME, P.SPEED, P.MONTHLY\_PAYMENT

--from ACDB\_CUSTOMERS c, ACDB\_PACKAGES p

--where C.PACK\_ID = P.PACK\_ID;

--select first\_name, last\_name, p.speed, p.monthly\_payment

--from ACDB\_CUSTOMERS c

--left outer join acdb\_packages p on C.PACK\_ID = P.PACK\_ID;

--select first\_name, last\_name, p.speed, p.monthly\_payment

--from ACDB\_CUSTOMERS c

--right outer join acdb\_packages p on C.PACK\_ID = P.PACK\_ID;

select first\_name, last\_name, p.speed, p.monthly\_payment

from ACDB\_CUSTOMERS c

full outer join acdb\_packages p on C.PACK\_ID = P.PACK\_ID;

--<<Practice #1 - insert data with a condition>>

--insert into customers

--select \*

--from suppliers

--where not exist

--(select customerID from customers where suppliers.supplierID = customers.customerID);

--INSERT INTO customers (customer\_id, customer\_name)

--SELECT supplier\_id AS customer\_id, supplier\_name AS customer\_name

--FROM suppliers

--WHERE NOT EXISTS (SELECT \* FROM Customers WHERE Customers.client\_id = suppliers.supplier\_id);

--<<Practice #2 - Create Table>>

--create table new\_table as

-- select \*

-- from old\_table;

--CREATE TABLE suppliers AS

--(SELECT \* FROM companies WHERE 1=2);