Midterm Notes

DDL Create Alter Drop

Single Table Query

Select (cols) distinct topx + as \*/+-()

From (tables) T1 join T2 on T1.PK=T2.FK

Where (filter rows)

=><<> Not And Or ()

Is null

Between x and y

Like 'A%'

In (list)

Order by (sort) asc desc

Outer Joins (unmatched rows and the matched rows)

Left, right, full

UNION

Q1

UNION

Q2

UNION

Q3

create table Drone

(DID int primary key identity,

DName varchar(30) not null,

DPrice money)

create table Zip

(Zip varchar(5) primary key,

State char(2),

City varchar(50))

create table Property

(PID int primary key identity,

PAddress varchar(30) not null,

Zip varchar(5) references Zip(Zip)

DID int references Drone(DID),

Date datetime2 null,

Hours decimal(4,2))

select \*

from animal

where category = 'Reptile'

and breed in ('Python', 'Gila Monster')

and color like '%black%'

and dateborn between '2004-01-01' and '2004-02-29'

and name is null

or category = 'Cat'

order by listprice desc

select top 2 a.animalid, name, listprice

from employee as e join sale as s on e.EmployeeID=s.EmployeeID

join SaleAnimal as sa on s.SaleID=sa.SaleID

join Animal as a on a.AnimalID=sa.AnimalID

where e.employeeid = 5

and category = 'Dog'

order by listprice desc

select \*

from customer as c left join sale as s on c.CustomerID=s.customerID

where s.saleid is null

select firstname, lastname, phone, 'Cust' as Type

from customer

union

select firstname, phone, 'Emp'

from employee

union

select ContactName, name, phone, 'Supplier'

from supplier