***QUERIES:***

-- 1

select duty\_name from duty inner join assignment on assignment.duty\_id = duty.duty\_id where assignment\_begin\_date between date\_sub(now(), interval 1 year) and now();

-- 2

select count() from employee;

-- 3

select count() from animal;

-- 4

select species\_name, food\_type from species inner join feeding on species.species\_id = feeding.species\_id;

-- 5

select count() from admission where admission\_date = date\_sub('2021-05-23', interval 1 day);

-- 6

select person\_fn, person\_ln from person where person\_fn like 'R%';

-- 7

select count() from species;

-- 8

select \* from species;

-- 9

select exhibit\_hours from exhibit inner join species on species.species\_id = exhibit.species\_id where species\_name = 'Mammal';

-- 10

select exhibit\_location from exhibit inner join species on species.species\_id = exhibit.species\_id where species\_name = 'Mammal';

-- 11

select max(animal\_admitdate), animal\_name from animal where animal\_admitdate = (select max(animal\_admitdate) from animal) group by animal\_name;

-- 12

select person\_fn, person\_ln from person inner join employee on person.person\_id = employee.person\_id where emp\_id = '77298';

***-- TRIGGERS***

-- 1

delimiter //

create trigger old\_enough before insert on admission for each row

begin

declare is\_of\_age int;

select datediff(now(), person\_dob)/365 into is\_of\_age from person inner join visitor on visitor.person\_id = person.person\_id inner join admission

on admission.visitor\_id = visitor.visitor\_id where visitor\_id = new.visitor\_id;

if is\_of\_age >= 18 then insert into admission

values(new.ticket\_id, new.visitor\_id, new.admission\_cost, new.admission\_name, new.admission\_duration, new.admission\_date);

end if;

end //

-- 2

delimiter //

create trigger no\_dupes before insert on person for each row

begin

declare person\_count int;

select count(\*) into person\_count from person where person\_id = new.person\_id;

if person\_count = 0 then insert into person

values (new.person\_id, new.person\_fn, new.person\_ln, new.person\_street, new.person\_city, new.person\_state, new.person\_zip, new.person\_email, new.person\_phone, new.person\_dob);

end if;

end //

-- 3

delimiter //

create trigger after\_delete after delete on employee for each row

begin

delete from person where person\_id = old.person\_id;

end //

***CRUD—***

* 1

Create a new person in the person table.

insert into person(person\_ID, person\_FN, person\_LN, person\_street, person\_city, person\_state, person\_zip, person\_email, person\_phone, person\_DOB);

* 2

Purchase a ticket.

-Must insert first name, visitors ID, Membership ID if applicable, and how many tickets purchased

insert into visitor(Visitor\_ID, Visitor\_Membership, Person\_ID);

insert into admission(visitor\_ID, admission\_cost, Admission\_name, admission\_duration, admission\_date);

* 3

Change the feeding schedule.

update feeding set food\_type = " + ch + foodType + ch + ", food\_amount = " + foodAmount + ", food\_time = " + ch + foodTime + ch + " where species\_id = " + id + ";

* 4

Delete an employee.

delete from employee where emp\_id = " + employeeId + ";

delete from person where person\_id = " + personId + ";