Name: _____

Hospital db – Databases and tables

1. Create a database "**hospital_db**"

2. **Exercise -01**

   - Create tables for **Physician**, **Department**

   - Insert values into them

   - Understand Primary and Foreign Keys and table relationships

3. **Exercise -02**

   - Create tables for **Affiliated_With, Procedures, Trained_In, Patient**

   - Insert values into them

4. **Exercise -03**

   - Create tables for **Nurse, Procedures, Appointment, Medication**

   - Insert values into them

5. **Exercise -04**

   - Create tables for **Prescribes, Block, Room, On_Call, Stay, Undergoes**

   - Insert values into them

Putting them together:

1. Create a new database **hospital_database**

2. Create scripts from one file

3. Insert data into **hospital_database** from one data file

Putting backup and restore:

1. Take the back up of **hospital_database**

2. Restore it as a new database **hospital_database_new**

SQL Exercise

select * from department;

select * from physician ;

select * from affiliated_with;

select * from patient

select * from nurse;

select * from appointment

--find general medicine doctors name

select a.name, b.department, c.name from physician a

join affiliated_with b

join department c

on c.departmentid= b.department

on b.physician = a.employeeid

where b.department=2

--find which patient - doctor visit

select a.name patient_name, b.name doctor_name from patient a

join physician b

on a.pcp = b.employeeid

--find room details

select * from room

select unavailable, count(*) from room

group by unavailable

--total patient count on blockcode=2

select count(*) from room where blockcode=2

--check procedure details

select * from undergoes

-- find hospital workload such as procedure time and doctors, nurse details

select a.name as doctor_name, b.name as nurse_name, c.dateundergoes as proceduretime

from physician a

join nurse b

join undergoes c

on b.employeeid= c.assistingnurse

on a.employeeid = c.physician

where c.physician=3

--patient mdeication and priscription details

select * from medication;

select a.name, b.dose, c.name,c.brand from patient a

join prescribes b

join medication c

on c.code = b.medication

on a.ssn = b.patient

--trained in procedures

select * from procedures;

select * from trained_in;

select treatment, count(*) from trained_in group by treatment