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

**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