Hospital management system

Database db\_HMS

Tables

1. Tbl\_bill (bill\_id, room\_cost, treatment\_cost,other\_cost);
2. Tbl\_patient(p\_id, p\_name,father’s\_name,Address,contact,Blood group,age, disease,admit\_date,Room\_no, gender ,Remarks ,dob, );
3. Tbl\_doctor(d\_id, d\_full \_name, father\_name, d\_email-id,contact\_no,Adddrss, qualification, gender, Blood group ,date\_of\_joining);
4. Tbl\_room(room\_no, Type,cost);
5. Tbl\_Treated\_in(p\_id,room\_id, no\_of\_days,cost);
6. Tbl\_treatment (t\_id, t\_name,cost);

Operations :

1. Doctor Details
2. Save/update/delete/new/Get data
3. Patient details
4. Treatment/room details
5. Display bill

Ans :

SQL QUARY :

Tables:

**CREATE TABLE "HMS"."BILL"**

**( "BILL\_ID" VARCHAR2(20 BYTE),**

**"ROOM\_COST" NUMBER(10,2),**

**"TREATMENT\_COST" NUMBER(10,2),**

**"OTHER\_COST" NUMBER(10,2)**

**) ;**

**CREATE TABLE "HMS"."PATIENT"**

**( “PatientID” int(10) NOT NULL,**

**“PatientName” varchar(20) DEFAULT NULL,**

**“FatherName” varchar(20) DEFAULT NULL,**

**“Address`”varchar(100) DEFAULT NULL,**

**“ContactNo” varchar(11) DEFAULT NULL,**

**“Age” int(2) DEFAULT NULL,**

**“Disease”varchar(50) DEFAULT NULL,**

**“AdmitDate”date DEFAULT NULL,**

**“RoomNo” int(5) NOT NULL,**

**“Gen”varchar(1) DEFAULT NULL,**

**“Remarks” varchar(100) DEFAULT NULL,**

**“DOB”date DEFAULT NULL,**

**PRIMARY KEY (“PatientID”)**

**) ;**

**CREATE TABLE "HMS"."DOCTOR"**

**(“DoctorID” int(10) NOT NULL,**

**“DoctorName” varchar(20) DEFAULT NULL,**

**“FatherName” varchar(20) DEFAULT NULL,**

**“Email” varchar(50) DEFAULT NULL,**

**“ContacNo” varchar(11) DEFAULT NULL,**

**“Qualifications” varchar(50) DEFAULT NULL,**

**“Gender” varchar(1) DEFAULT NULL,**

**“BloodGroup” varchar(5) DEFAULT NULL,**

**“DateOfJoining” date DEFAULT NULL,**

**“Address” varchar(100) DEFAULT NULL,**

**PRIMARY KEY (“DoctorID”)**

**CREATE TABLE "HMS"."ROOM"**

**( "ROOM\_NO" VARCHAR2(20 BYTE),**

**"TYPE" VARCHAR2(50 BYTE),**

**"RENT" NUMBER(10,2)**

**CREATE TABLE "HMS"."TREATED\_IN"**

**( "P\_ID" VARCHAR2(20 BYTE),**

**"ROOM\_NO" VARCHAR2(20 BYTE),**

**"NO\_OF\_DAYS" NUMBER(10,0),**

**"IN\_DATE" DATE**

**)**

**CREATE TABLE "HMS"."TREATMENTS"**

**( "T\_ID" VARCHAR2(20 BYTE),**

**"T\_NAME" VARCHAR2(50 BYTE),**

**"COST" NUMBER(10,0)**

**)**

**INSERT VALUES:**

**Insert into HMS.BILL**

**(BILL\_ID,ROOM\_COST,TREATMENT\_COST,OTHER\_COST) values ('rs',500,100,0);**

**Insert into HMS.BILL (BILL\_ID,ROOM\_COST,TREATMENT\_COST,OTHER\_COST) values ('ak',4500,1100,500);**

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1. **Insert into HMS.PATIENT**(p\_name,father’s\_name,Address,contact,Blood group,age,disease, admit\_date,Room\_no, gender ,Remarks ,dob, )

**VALUES (1,'Akash Agarwal','P.K Agarwal',Latur,'41162171',’B+’,18,'Typhoid fever’,’2014-03-21' ,1,’M',’High temp and weakness’,’2002-08-06');**

**2.Insert into HMS.PATIENT** (p\_id, p\_name,father’s\_name,Address,contact,Blood group,age, disease,admit\_date,Room\_no, gender ,Remarks ,dob, );

**( 2,'Bhoomika Mishra','Kunal Mishra', '#105;Jyothi Nivas;Kundanahalli Gate;Bangalore-560066' ,'8095678456',’+A',25,'fractured knee',’2019-04-13’ ,2,'F',’Patient admitted in lCU');**

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**1.Insert into HMS.DOCTOR (**d\_id, d\_full \_name, father\_name, d\_email-id,contact\_no,Adddrss, qualification, gender, Blood group ,date\_of\_joining)

**VALUES (1,'Ajay Mishra','Deepak MIshra','ajay123@gmail.com ','9880876532', ‘108;Whitefield,Bangalore-560066','MD,MBBS','M','A+','2014-03-20');**

**2.Insert into HMS.DOCTOR (**d\_id, d\_full \_name, father\_name, d\_email-id,contact\_no,Adddrss, qualification, gender, Blood group ,date\_of\_joining)

**VALUES (2,'Anjali Chopra','Madan Chopra','anjalirox123@gmail.com','9880756634', '#111;Gayathri Temple;Whitefield;Bangalore-560066','MD,MBBS','F','A-','2016-01-02');**

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**Insert into HMS.ROOM (ROOM\_NO,TYPE,RENT) values ('1','lab',500);**

**Insert into HMS.ROOM (ROOM\_NO,TYPE,RENT) values ('2','ot',2000);**

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**Insert into HMS.TREATED\_IN (P\_ID,ROOM\_NO,NO\_OF\_DAYS,IN\_DATE) values ('rs','1',1,to\_date('27-05-19','DD-MM-RR'));**

**Insert into HMS.TREATED\_IN (P\_ID,ROOM\_NO,NO\_OF\_DAYS,IN\_DATE) values ('ak','2',2,to\_date('28-05-19','DD-MM-RR'));**

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**Insert into HMS.TREATMENTS (T\_ID,T\_NAME,COST) values ('1','blood\_test',100);**

**Insert into HMS.TREATMENTS (T\_ID,T\_NAME,COST) values ('2','operation',1000);**

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**DDL index**

**CREATE UNIQUE INDEX "HMS"."BILL\_BILLID\_PK" ON "HMS"."BILL" ("BILL\_ID")**

**CREATE UNIQUE INDEX "HMS"."BILL\_BILLID\_PK" ON "HMS"."BILL" ("BILL\_ID")**

**CREATE UNIQUE INDEX "HMS"."PATIENT\_PID\_PK" ON "HMS"."PATIENT" ("P\_ID")**

**CREATE UNIQUE INDEX "HMS"."ROOM\_ROOMNO\_PK" ON "HMS"."ROOM" ("ROOM\_NO")**

**CREATE UNIQUE INDEX "HMS"."DOCTOR \_D\_ID\_PK" ON "HMS".DOCTOR” (“D\_ID")**

**CREATE UNIQUE INDEX "HMS"."TIN\_PID\_ROOMNO\_PK" ON "HMS"."TREATED\_IN" ("P\_ID", "ROOM\_NO")**

**CREATE UNIQUE INDEX "HMS"."TN\_TID\_PK" ON "HMS"."TREATMENTS" ("T\_ID")**

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**PRIMARY KEY**

**ALTER TABLE "HMS"."BILL" ADD CONSTRAINT "BILL\_BILLID\_PK" PRIMARY KEY ("BILL\_ID")**

**ALTER TABLE "HMS"."PATIENT" ADD CONSTRAINT "PATIENT\_PID\_PK" PRIMARY KEY ("P\_ID")**

**ALTER TABLE "HMS"."ROOM" ADD CONSTRAINT "ROOM\_ROOMNO\_PK" PRIMARY KEY ("ROOM\_NO")**

**ALTER TABLE "HMS"."TREATED\_IN" ADD CONSTRAINT "TIN\_PID\_ROOMNO\_PK" PRIMARY KEY ("P\_ID", "ROOM\_NO")**

**ALTER TABLE "HMS"."TREATMENTS" ADD CONSTRAINT "TN\_TID\_PK" PRIMARY KEY ("T\_ID")**

**ALTER TABLE "HMS"."DOCTOR" ADD CONSTRAINT "DOCTOR\_DID\_PK" PRIMARY KEY ("D\_ID")**

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**Ref Constraints for Table BILL**

**ALTER TABLE "HMS"."BILL" ADD CONSTRAINT "BILL\_BILLID\_FK" FOREIGN KEY ("BILL\_ID")**

**REFERENCES "HMS"."PATIENT" ("P\_ID") ON DELETE CASCADE ENABLE**

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**Ref Constraints for Table TREATED\_IN**

**ALTER TABLE "HMS"."TREATED\_IN" ADD CONSTRAINT "TIN\_PID\_FK" FOREIGN KEY ("P\_ID")**

**REFERENCES "HMS"."PATIENT" ("P\_ID") ON DELETE CASCADE ENABLE;**

**ALTER TABLE "HMS"."TREATED\_IN" ADD CONSTRAINT "TIN\_ROOMNO\_FK" FOREIGN KEY ("ROOM\_NO")**

**REFERENCES "HMS"."ROOM" ("ROOM\_NO") ON DELETE CASCADE ENABLE;**