**CASE STUDY**

**HOSPITAL MANAGEMENT SYSTEM**

V.MOUNIKA

AP18110010518

CSE-H

**Query :**

**show databases;**

**create database hospital\_management;**

**use hospital\_management;**

**SET FOREIGN\_KEY\_CHECKS=1;**

**CREATE TABLE DEPARTMENT(D\_NAME VARCHAR(20) unique,**

**D\_LOCATION VARCHAR(35), FACILITIES VARCHAR(50),**

**primary key (D\_NAME));**

**CREATE TABLE ALL\_DOCTORS ( DOC\_NO VARCHAR(8) unique primary key constraint LIKETHESE CHECK (**

**DOC\_NO LIKE 'DR%' OR DOC\_NO LIKE 'DC%'),**

**DEPARTMENT varchar(20),**

**CONSTRAINT ADDFRKYDMT FOREIGN KEY (DEPARTMENT)**

**REFERENCES DEPARTMENT(D\_NAME)**

**);**

**CREATE TABLE DOC\_REG ( DOC\_NO VARCHAR(8), D\_NAME VARCHAR(25), QUALIFICATION VARCHAR(10), SALARY NUMERIC(6),**

**EN\_TIME DATETIME, EX\_TIME DATETIME, ADDRESS VARCHAR(50), PH\_NO VARCHAR(20), DOJ DATETIME,**

**CONSTRAINT DCRGFRKY foreign key (DOC\_NO) REFERENCES ALL\_DOCTORS(DOC\_NO),**

**CONSTRAINT DRLIKE CHECK (DOC\_NO LIKE 'DR%')**

**);**

**CREATE TABLE DOC\_ON\_CALL( DOC\_NO VARCHAR(8), D\_NAME VARCHAR(25), QUALIFICATION VARCHAR(10),**

**FS\_PR\_CL NUMERIC(5), PYMT\_DU NUMERIC(6), ADDRESS VARCHAR(50), PH\_NO VARCHAR(20),**

**CONSTRAINT DCCLFRKY foreign key (DOC\_NO) REFERENCES ALL\_DOCTORS(DOC\_NO),**

**CONSTRAINT DCLIKE CHECK (DOC\_NO LIKE 'DC%')**

**);**

**CREATE TABLE PAT\_ENTRY (PAT\_NO VARCHAR(8), PAT\_NAME VARCHAR(25), CHKUP\_DT DATETIME, PT\_AGE NUMERIC(3),**

**SEX VARCHAR(1), RFRG\_CSTNT VARCHAR(25), DIAGNOSIS VARCHAR(50), RFD VARCHAR(1), ADDRESS VARCHAR(50),**

**CITY VARCHAR(10),PH\_NO VARCHAR(10), DEPARTMENT VARCHAR(20),**

**CONSTRAINT PTETDPTNFRKYDPT foreign key (DEPARTMENT) references DEPARTMENT(D\_NAME),**

**CONSTRAINT PTPRKY PRIMARY KEY (PAT\_NO),CONSTRAINT PTLIKE CHECK (PAT\_NO LIKE 'PT%'),**

**CONSTRAINT SEX CHECK (SEX IN('M','F')),**

**CONSTRAINT RFYN CHECK (RFD IN('Y','N'))**

**);**

**CREATE TABLE PAT\_CHKUP( PAT\_NO VARCHAR(8), DOC\_NO VARCHAR(8), DIAGNOSIS VARCHAR(50),**

**STATUS VARCHAR(10), TREATMENT VARCHAR(35),**

**CONSTRAINT PRCKRFKY foreign key (PAT\_NO) REFERENCES PAT\_ENTRY(PAT\_NO),**

**CONSTRAINT PTRFDCPRKY foreign key (DOC\_NO) REFERENCES ALL\_DOCTORS(DOC\_NO)**

**);**

**CREATE TABLE ROOM\_DETAILS(ROOM\_NO VARCHAR(6), ROOM\_TYPE VARCHAR(1), ROOM\_STATUS VARCHAR(1),**

**RM\_DL\_CRG NUMERIC(4), OTHER\_CRG NUMERIC(5),**

**CONSTRAINT RMNOPRKY PRIMARY KEY (ROOM\_NO),**

**CONSTRAINT RNLIKE CHECK (ROOM\_NO LIKE 'RN%'),**

**CONSTRAINT WDINGP CHECK (ROOM\_TYPE IN ('G','P')),**

**CONSTRAINT INYN CHECK (ROOM\_STATUS IN ('Y','N'))**

**);**

**CREATE TABLE PAT\_ADMIT( PAT\_NO VARCHAR(8), ADV\_PYMT NUMERIC(6), MODE\_PYMT VARCHAR(5),**

**ROOM\_NO VARCHAR(6), DEPTNAME VARCHAR(20), ADMTD\_ON DATETIME, COND\_ON VARCHAR(50), INVSTGTN\_DN VARCHAR(20),**

**TRMT\_SDT DATETIME, ATTDNT\_NM VARCHAR(20), CONSTRAINT ADVPYMT CHECK(ADV\_PYMT>=500),**

**CONSTRAINT MDPYMT CHECK (MODE\_PYMT IN ('CHEQUE','CASH')),**

**CONSTRAINT PAFRKYDP foreign key (DEPTNAME) REFERENCES DEPARTMENT(D\_NAME),**

**CONSTRAINT PARMNOFRKYOCDT foreign key (ROOM\_NO) REFERENCES ROOM\_DETAILS(ROOM\_NO),**

**CONSTRAINT PRADRFKYPE foreign key (PAT\_NO) REFERENCES PAT\_ENTRY(PAT\_NO),**

**CONSTRAINT PRADPRKY PRIMARY KEY (PAT\_NO)**

**);**

**CREATE TABLE PAT\_DIS( PAT\_NO VARCHAR(8), TR\_ADVS VARCHAR(50), TR\_GVN VARCHAR(50),**

**MEDICINES VARCHAR(50), PYMT\_GV NUMERIC(7), DIS\_ON DATETIME,**

**CONSTRAINT PADSFRKY foreign key (PAT\_NO) REFERENCES PAT\_ADMIT(PAT\_NO)**

**);**

**CREATE TABLE PAT\_REG (PAT\_NO VARCHAR(8), DATE\_VIS DATETIME, PERSON\_CONDITION VARCHAR(30),**

**TREATMENT VARCHAR(50), MEDICINES VARCHAR(50), DOC\_NO VARCHAR(8), PAYMT NUMERIC(4),**

**CONSTRAINT PAREDCPRKY foreign key (DOC\_NO) REFERENCES ALL\_DOCTORS(DOC\_NO),**

**CONSTRAINT PARERFKY foreign key (PAT\_NO) REFERENCES PAT\_ENTRY(PAT\_NO )**

**);**

**CREATE TABLE PAT\_OPR ( PAT\_NO VARCHAR(8), DATE\_OPR DATETIME, IN\_COND VARCHAR(35), AFOP\_COND VARCHAR(35),**

**TY\_OPERATION VARCHAR(40), MEDICINES VARCHAR(5), DOC\_NO VARCHAR(8), OPTH\_NO VARCHAR(4), OTHER\_SUG VARCHAR(30),**

**CONSTRAINT PAOPDCPRKY foreign key (DOC\_NO) REFERENCES ALL\_DOCTORS(DOC\_NO),**

**CONSTRAINT PAOPRFKY foreign key (PAT\_NO) REFERENCES PAT\_ENTRY(PAT\_NO)**

**);**

**# inserting values**

**INSERT INTO DEPARTMENT (D\_NAME, D\_LOCATION , FACILITIES)**

**VALUES('Cardiology', 'FirstFloor', 'GENERAL AND SPECIALIZED SURGERY'),**

**('hepatology', 'SecondFloor', 'GENERAL AND SPECIALIZED SURGERY');**

**INSERT INTO ALL\_DOCTORS (DOC\_NO, DEPARTMENT)**

**VALUES ('DR001','Cardiology'), ('DR002','hepatology'), ('DC001','Cardiology'), ('DC002','hepatology');**

**INSERT INTO DOC\_REG (DOC\_NO, D\_NAME, QUALIFICATION, SALARY, EN\_TIME, EX\_TIME, ADDRESS, PH\_NO, DOJ)**

**VALUES ('DR001','DR.RAGINI ARAORA','MBBS, MD',25000,'2001-08-01 08:00:00','2001-08-01 09:00:00',**

**'230-F MAYUR VIHAR NEW DELHI','2568931', '2000-06-01 08:30:00'),**

**('DR002','DR.RAGINI ','MBBS, MD',65000, '1997-01-11 09:30:00','1998-08-01 19:10:00', '230-G NEW DELHI',**

**'2568931', '2000-06-01 08:30:00');**

**INSERT INTO DOC\_ON\_CALL (DOC\_NO, D\_NAME, QUALIFICATION, FS\_PR\_CL, PYMT\_DU, ADDRESS, PH\_NO)**

**VALUES ('DC001','DR.SUSANTA PRADHAN', 'MBBS, MD', '500','1000', '120F-NOIDA', '2587496'),**

**('DC002','DR.PRADHAN', 'MBBS, MD', '1000','2000', '120F-NEW DELHI', '5856972');**

**INSERT INTO PAT\_ENTRY(PAT\_NO,PAT\_NAME,CHKUP\_DT,PT\_AGE, SEX,RFRG\_CSTNT,DIAGNOSIS,RFD,ADDRESS,CITY,PH\_NO,DEPARTMENT)**

**VALUES('PT001', 'MR.ALOK', '2009-2-6 13:25:32', '23', 'M', 'DR.RAGINI ARAORA', 'OPEN HEART SURGERY',**

**'Y', '330F-NOIDA', 'NEW DELHI', '7584289', 'Cardiology'),**

**('PT002', 'MR.KK', '2009-2-6 11:15:30', '23', 'M', 'DR.RAGINI', 'Aster Integrated Liver Care',**

**'Y', '130F-NOIDA', 'NEW DELHI', '7584289', 'hepatology');**

**INSERT INTO PAT\_CHKUP (PAT\_NO , DOC\_NO, DIAGNOSIS, STATUS, TREATMENT)**

**VALUES('PT001','DR001','CRACK IN ANKLE BONE', 'SERIOUS', 'PLASTER'),**

**('PT002','DR002','LIVER', 'SERIOUS', 'TRANSPALNTATION');**

**SET FOREIGN\_KEY\_CHECKS=0;**

**INSERT INTO PAT\_ADMIT (PAT\_NO , ADV\_PYMT, MODE\_PYMT, ROOM\_NO, DEPTNAME, ADMTD\_ON, COND\_ON, INVSTGTN\_DN, TRMT\_SDT, ATTDNT\_NM)**

**VALUES ('PT001', '150000', 'CASH', 'RN001', 'Cardiology','2009-2-6 14:21:32','SERIOUS',**

**'LEAKAGE IN HEART', '2009-2-6 23:25:32', 'MR.ALOK'),**

**('PT002', '10000', 'CASH', 'RN002', 'hepatology','2009-2-6 11:11:20','SERIOUS',**

**'LIVER', '2009-2-6 13:15:30', 'MR.KK');**

**INSERT INTO PAT\_DIS (PAT\_NO, TR\_ADVS, TR\_GVN, MEDICINES, PYMT\_GV, DIS\_ON)**

**VALUES ('PT001','REST FOR 6 MNTHS','OBSERVED FOR WEEK','ANTI ALLERGICS','275000','2009-2-8 13:25:32'),**

**('PT002','REST FOR 10 MNTHS','OBSERVED FOR WEEK','ANTI ALLERGICS','355000','2009-2-8 13:15:30');**

**INSERT INTO PAT\_REG (PAT\_NO, DATE\_VIS, PERSON\_CONDITION, TREATMENT, MEDICINES, DOC\_NO, PAYMT)**

**VALUES ('PT001', '2009-2-8 13:25:32', 'STABLE', 'CONTINUE THE MEDICINE', 'PAINKILLER', 'DR001','100'),**

**('PT002', '2009-2-6 13:15:30', 'STABLE', 'CONTINUE THE MEDICINE', '-', 'DR002','101');**

**INSERT INTO PAT\_OPR (PAT\_NO, DATE\_OPR, IN\_COND, AFOP\_COND,TY\_OPERATION, MEDICINES, DOC\_NO, OPTH\_NO, OTHER\_SUG)**

**VALUES ('PT001','2009-2-6 23:25:32','CONTROLLED','STABLE','OPEN HEART SURGERY',**

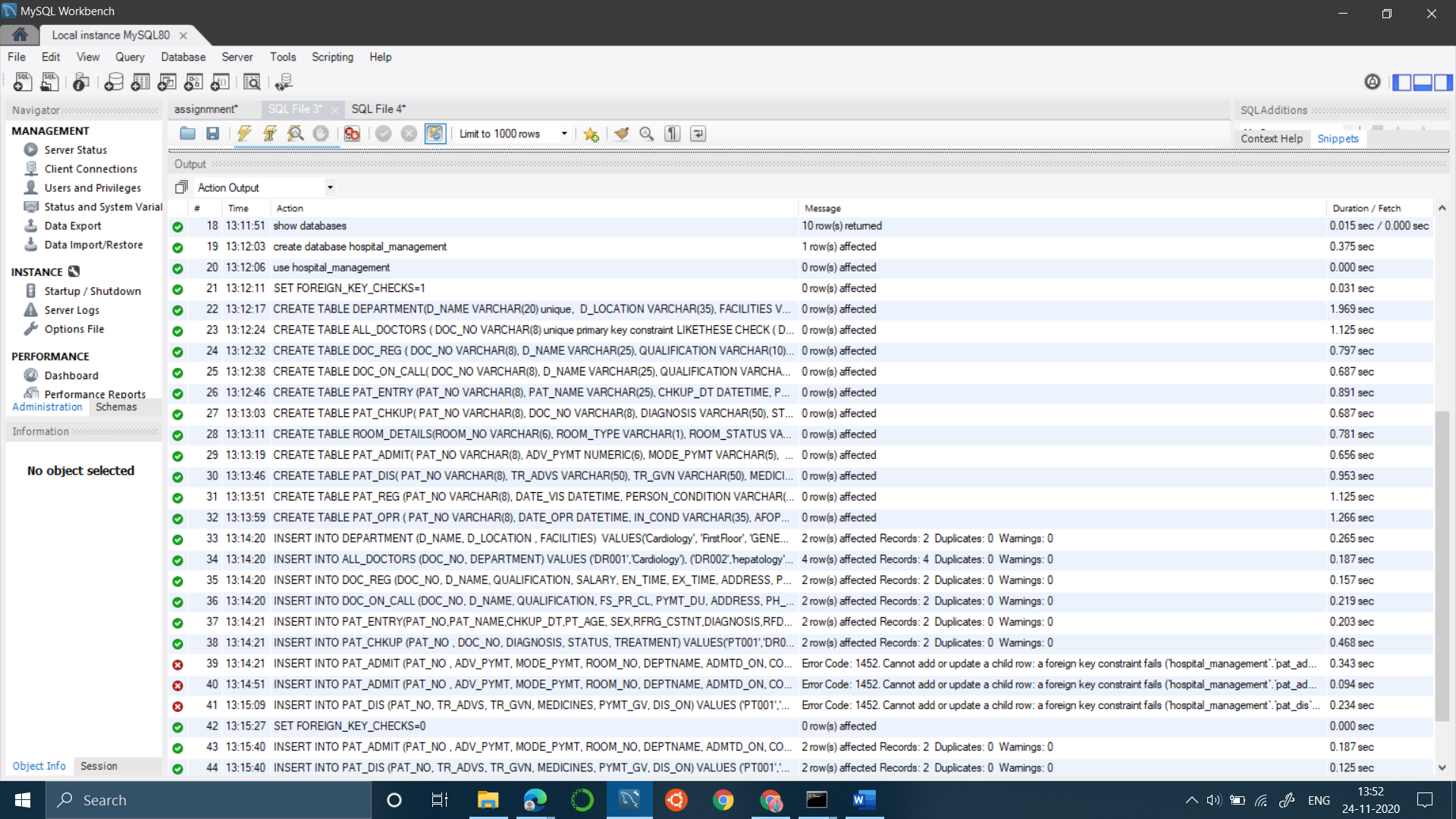
**'ANALR','DR001','10','UNDER OBSERVATION FOR 24 HOURS'),**

**('PT002','2009-2-6 13:15:30','CONTROLLED','UNSTABLE','Aster Integrated Liver Care',**

**'Dolo','DR002','7','UNDER OBSERVATION FOR 24 HOURS');**

**INSERT INTO ROOM\_DETAILS (ROOM\_NO, ROOM\_TYPE, ROOM\_STATUS, RM\_DL\_CRG, OTHER\_CRG)**

**VALUES ('RN001','G','N','500','100'), ('RN002','G','N','1000','2000');**

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