

```

CREATE TABLE ADMINISTRATOR
(
    A_ID NUMBER(5),
    A_name VARCHAR(20) NOT NULL,
    A_age NUMBER(5),
    Gender VARCHAR(10) NOT NULL,
    constraint ACT_A_ID_PK primary key (A_ID)
);
CREATE TABLE STAFF
(
    S_ID NUMBER(5),
    S_name VARCHAR(15) NOT NULL,
    Salary NUMBER(10) NOT NULL,
    A_ID NUMBER(5),
    constraint STAFF_A_ID_FK foreign key (A_ID) references ADMINISTRATOR(A_ID),
    constraint STAFF_S_ID_PK primary key (S_ID)
);
CREATE TABLE DOCTOR
(
    Doc_ID NUMBER(5),
    Doc_Name VARCHAR(20) NOT NULL,
    Dept VARCHAR(20) NOT NULL,
    A_ID NUMBER(5),
    constraint DOC_Doc_ID_PK primary key (Doc_ID),
    constraint DOC_A_ID_FK foreign key (A_ID) references ADMINISTRATOR(A_ID)
);
CREATE TABLE OUT_PATIENT
(
    Patient_ID NUMBER(5),
    Discharge_date date default sysdate,
    Lab_no NUMBER(5),
    constraint OP_Patient_ID_pk PRIMARY KEY (Patient_ID),
    constraint OP_Lab_no_FK FOREIGN KEY (Lab_no) REFERENCES LAB_RECORD(Lab_no)
);
CREATE TABLE LAB_RECORD
(
    Lab_no NUMBER(5),
    Doc_ID NUMBER(5) NOT NULL,
    Date_of_record date default sysdate,
    Catigory VARCHAR(20),
    Amount NUMBER(10) NOT NULL,
    constraint Lab_Lab_no_pk PRIMARY KEY (Lab_no),
    constraint Lab_Doc_ID_fk FOREIGN KEY (Doc_ID) REFERENCES DOCTOR(Doc_ID)
);
CREATE TABLE IN_PATIENT
(
    Pat_ID NUMBER(5),
    Name VARCHAR(20) NOT NULL,
    Gender VARCHAR(10) NOT NULL,

```

```

    Address VARCHAR(20) NOT NULL,
    Room_no  NUMBER(5),
    Date_of_discharge date default sysdate,
    Date_of_admit date default sysdate,
    Disease varchar(20),
    Doc_ID  NUMBER(5) NOT NULL,
    Lab_no  NUMBER(5) NOT NULL,
    constraint IP_Pat_ID_PK PRIMARY KEY (Pat_ID),
    constraint IP_Room_no_FK FOREIGN KEY (Room_no) REFERENCES ROOM(Room_no),
    constraint IP_Lab_no_FK FOREIGN KEY (Lab_no) REFERENCES LAB_RECORD(Lab_no),
    constraint IP_Doc_ID_FK FOREIGN KEY (Doc_ID) REFERENCES DOCTOR(Doc_ID)
);
CREATE TABLE ROOM
(
    Room_no NUMBER(5),
    Room_type varchar(10) NOT NULL,
    capacity NUMBER(5) NOT NULL,
    constraint R_Room_no_pk primary key (Room_no)
);
CREATE TABLE BILL
(
    Bill_no  NUMBER(10),
    Pat_ID  NUMBER(5) NOT NULL,
    Doc_Charges  NUMBER(10) NOT NULL,
    Pat_type varchar(20) NOT NULL,
    Medicine_Charges  NUMBER(5),
    Operation_Charges  NUMBER(5),
    Room_charges  NUMBER(5),
    Nursing_charges  NUMBER(5) NOT NULL,
    Lab_Charges  NUMBER(5) NOT NULL,
    Health_Card VARCHAR(50),
    constraint BILL_Bill_no_PK PRIMARY KEY (Bill_no),
    constraint BILL_Pat_ID_FK FOREIGN KEY (Pat_id) REFERENCES IN_PATIENT (Pat_id)
);

```