

SKEDULA SQL Statements

Table CREATION:

```
CREATE TABLE Doctor (  
    DocID  VARCHAR (4) PRIMARY KEY  
           CHECK (SUBSTR(DocID, 1, 1) = 'D'),  
    pwd    VARCHAR (10) NOT NULL,  
    fName  VARCHAR (15) NOT NULL,  
    sName  VARCHAR (10),  
    Spec   VARCHAR (3) NOT NULL,  
    stTime TIME,  
    endTime TIME,  
    maxToday numeric (2) CHECK (maxToday > 0)  
);
```

```
CREATE TABLE Receptionist (  
    RID  VARCHAR (4) PRIMARY KEY  
         CHECK (SUBSTR(RID, 1, 1) = 'R'),  
    pwd  VARCHAR (10) NOT NULL,  
    fName VARCHAR (15) NOT NULL,  
    sName VARCHAR (10)  
);
```

```
CREATE TABLE Patient (  
    PatID  VARCHAR (4) PRIMARY KEY  
           CHECK (SUBSTR(PatID, 1, 1) = 'P'),  
    pwd    VARCHAR (10) NOT NULL,  
    fName  VARCHAR (15) NOT NULL,  
    sName  VARCHAR (10),  
    addrL1 VARCHAR (100) NOT NULL,  
    addrL12 VARCHAR (100)  
);
```

```
CREATE TABLE PatMob (  
    PatID VARCHAR (4) REFERENCES Patient(PatID),  
    MobNo numeric (10),  
    PRIMARY KEY (  
        PatID,  
        MobNo  
    )  
);
```

```
CREATE TABLE Schedule (  
    SID    VARCHAR (4) PRIMARY KEY  
           CHECK (SUBSTR(SID, 1, 1) = 'S'),  
    stTime TIME    NOT NULL,  
    PatID  VARCHAR (4) NOT NULL  
           REFERENCES Patient(PatID),  
    DocID  VARCHAR (4) NOT NULL REFERENCES Doctor (DocID) );
```

```
CREATE TABLE DocSch (  
    SID    VARCHAR (4) REFERENCES Schedule(SID),  
    DocID  VARCHAR (4) REFERENCES Doctor(DocID),  
    DocRep VARCHAR (200),  
    PRIMARY KEY (  
        SID,  
        DocID  
    )  
);
```

```
CREATE TABLE Admin (  
    AID VARCHAR (4) PRIMARY KEY  
           CHECK (SUBSTR(AID, 1, 1) = 'A'),  
    pwd VARCHAR (10) NOT NULL,  
    fName VARCHAR (15) NOT NULL,  
    sName VARCHAR (10)  
);
```

```
CREATE TABLE AdminManipulate (  
    AID VARCHAR (4) REFERENCES Admin(AID),  
    MID VARCHAR (4) NOT NULL  
);
```

INSERTION of Values:

```
INSERT INTO Admin (AID,pwd,fName,sName)
VALUES('A001','abcdefg78','Ragavendra','Goswami');
INSERT INTO Admin (AID,pwd,fName,sName) VALUES('A002','cryptobit','Bhindu','Panikar');
INSERT INTO Admin (AID,pwd,fName) VALUES('A003','disledger','Suresh');
```

```
INSERT INTO Doctor(DocID,pwd,fName,sName,Spec) VALUES
('D001','digimoney','Surya','Madhavan','PED');
INSERT INTO Doctor(DocID,pwd,fName,sName,Spec) VALUES
('D002','digipregn','Kalyani','Vasudev','GYN');
INSERT INTO Doctor(DocID,pwd,fName,sName,Spec) VALUES
('D003','digimassg','Subramaniyam','Santhosh','PHY');
INSERT INTO Doctor(DocID,pwd,fName,sName,Spec) VALUES
('D004','digiskele','Jhon','Bhaskar','ORT');
INSERT INTO Doctor(DocID,pwd,fName,sName,Spec) VALUES
('D005','digiskin','Vijay','Mahadevan','DER');
INSERT INTO Doctor(DocID,pwd,fName,sName,Spec) VALUES
('D006','digialpha','Raj','Kapoor','ORT');
INSERT INTO Doctor(DocID,pwd,fName,sName,Spec) VALUES
('D007','digitalise','Amit','Mishra','DER');
```

```
INSERT INTO Receptionist (RID,pwd,fName,sName)
VALUES('R001','Andromeda','Pranav','Nambiar');
INSERT INTO Receptionist (RID,pwd,fName,sName)
VALUES('R002','EqUinoxPhe','Jenny','Janima');
INSERT INTO Receptionist (RID,pwd,fName,sName)
VALUES('R003','constella','Sourabh','Dathan');
```

Triggers Required:

//use declare section to add a variable store current AID for all the Manipulates

```
CREATE or REPLACE TRIGGER Doc_trigger
AFTER UPDATE OF fName,sName,pwd ON Doctor
FOR EACH ROW
BEGIN
INSERT INTO AdminManipulate
VALUES
(AID,
:old.DocID
END;
```

```
CREATE or REPLACE TRIGGER Recp_trigger
AFTER UPDATE OF fName,sName,pwd ON Receptionist
FOR EACH ROW
BEGIN
INSERT INTO AdminManipulate
VALUES
(AID,
:old.RID
END;
```

```
CREATE or REPLACE TRIGGER Pat_trigger
AFTER UPDATE OF fName,sName,pwd ON Patient
FOR EACH ROW
BEGIN
INSERT INTO AdminManipulate
VALUES
(AID,
:old.PatID
END;
```