#inserting values in TestTable

INSERT INTO TestTable

(PatientID

,LocationID

,PatientName

,PatientState

,Gender

,Visits

,Charges)

VALUES

('12345','785522','John','AL','M','3','200')

,('12346','785623','Jane','AK','F','1','400')

,('12347','785724','Alex','AZ','F','6','900')

,('12348','785825','Bob','CA','M','7','8000')

,('12349','785926','Josh','CO','M','12','19000')

,('12350','786027','Stephanie','FL','F','18','25000')

,('12351','786128','Amber','GA','F','4','400')

,('12352','786229','Brittany','GA','F','6','4000')

,('12353','786330','Bill','UT','M','8','5000')

,('12354','786431','Nate','WY','M','22','28000')

,('12355','785522','Joe','GA','M','8','1900')

,('12356','785623','Garret','GA','M','1','900')

,('12357','785724','Jill','UT','F','8','8000')

,('12358','785825','Justin','WY','M','2','300')

,('12359','785926','Bret','UT','M','2','5000')

,('12360','786027','Kellie','WY','F','20','29000')

,('12361','786229','Gerald','GA','M','3','1900')

,('12362','786330','Rudy','GA','M','1','400')

,('12363','786431','Ruby','UT','F','4','2000')

,('12364','785724','Ava','WY','F','6','3300')

,('12365','785926','Liam','AL','M','4','1200')

,('12366','786229','Rich','AK','M','7','4400')

,('12367','786330','Alice','AZ','F','9','1900')

,('12368','786532','Kris','CA','M',null,'1000')

,('12369','786431','Arthur','CO','M','15','9000')

#insert Query Hospital table

INSERT INTO HospitalTable

(LocationID

,LocationName)

VALUES

('785522','Evergreen Clinic')

,('785623','Twin Mountains Hospital')

,('785724','Big Heart Community Hospital')

,('785825','Pioneer Clinic')

,('785926','Fairmont Hospital Center')

,('786027','Angelstone Community Hospital')

--,('786128','Genesis Hospital Center')

--,('786229','Principal Medical Clinic')

--,('786330','Fairview General Hospital')

--,('786431','Guardian Medical Clinic')

--,('786532','Memorial Medical Center')c

Alter Table TestTable

ADD Constraint FK\_LocationID

Foreign Key (LocationID) References HospitalTable(LocationID)

SELECT PatientID,PatientName,ROUND(Charges+0.2555,1) as Charges

,FORMAT(Round(Charges+0.2555,2),'$#,###.#') as Charges\_Format

FROM TestTable

Select

PatientName,UPPER(PatientName) as Upper\_PatientName

,LOWER(PatientName) as Lower\_PatientName

from TestTable

Select

PatientName,Isnull(Visits,0) as Visits

from TestTable

where Visits is null

Order by 2 asc

--usefull when aggregating

--how many States have more than 2 patients

Select

PatientState,

Count(\*) as 'Count'

from TestTable

Group By PatientState

Having Count(\*)>2

--we need to write another query referencing this query

Select Count(\*) as 'Count'

From

(Select

PatientState,

Count(\*) as 'Count'

from TestTable

Group By PatientState

Having Count(\*)>2

)as a