**Final Tables:**

1. d\_id,d\_name,time,**dp\_id, b\_no**\*\*\* (Doctor)
2. dp\_id,dept,designation \*\*\* (Doctor2)
3. cm\_id,**d\_id**,**p\_id**\*\*\* (Doctor3)
4. b\_no,date, **p\_id**\*\*\*(Bill)
5. p\_id,p\_name,gender,age,address,phone,disease,**l\_id**\*\*\* (Patient)
6. l\_id,category,reports \*\*\* (Laboratory)
7. m\_id, m\_name, company**, p\_id** \*\*\* (medicine)
8. m\_id, m\_name, company,d\_id \*\*\* (medicine2)
9. b\_no,date,**l\_id**\*\*\* (Bill2)
10. b\_no,date,**c\_no**\*\*\* (Bill3)
11. c\_no,c\_manager\*\*\*(Counter)
12. b\_no,date,**m\_id**\*\*\* (Bill4)

**Creating table:**

Create table doctor (

D\_id number (10),

D\_name varchar2(20),

Time varchar2(20),

Dp\_id number(10),

B\_no number(10))

Alter table doctor add constraint con1 primary key(D\_id)

Create table doctor2(

Dp\_id number(10),

Dept varchar2(20),

Designation varchar2(20))

Alter table doctor2 add constraint con2 primary key(dp\_id)

Create table doctor3(

Cm\_id number (10),

D\_id number(10),

P\_id number(10))

Alter table doctor3 add constraint con3 primary key(cm\_id)

Create table patient(

p\_id number(10),

p\_name varchar2(20),

Age number(3),

Gender varchar2(6),

Address varchar2(30),

Phone number(15),

Disease varchar2(20),

L\_id number(10))

Alter table patient add constraint con7 primary key(p\_id)

Create table Laboratory (

L\_id number (10),

Category varchar2(20),

Reports varchar2(20)

)

Alter table laboratory add constraint con8 primary key(l\_id)

Create table bill (

B\_no number (10),

Bill\_Date date,

P\_id number(10))

Alter table bill add constraint con9 primary key(b\_no)

Create table bill2 (

B\_no number (10),

Bill\_Date date,

l\_id number(10))

Alter table bill2 add constraint cn33 primary key(b\_no)

Create table bill3 (

B\_no number (10),

Bill\_Date date,

C\_no number(10))

Alter table bill3 add constraint cn53 primary key(b\_no)

Create table bill4 (

B\_no number (10),

Bill\_Date date,

M\_id number(10))

Alter table bill4 add constraint x521 primary key(b\_no)

Create table Counter(

C\_no number (10),

C\_manager varchar2 (20))

Alter table counter add constraint con10 primary key(c\_no)

Create table Medicine (

M\_id number(10),

M\_name varchar2(20),

Company varchar2(30),

P\_id number(10))

Alter table Medicine add constraint con11 primary key(M\_ID)

Create table Medicine2 (

M\_id number(10),

M\_name varchar2(20),

Company varchar2(30),

d\_id number(10))

Alter table Medicine2 add constraint con12 primary key(M\_ID)

Foreign key:

Alter table doctor add constraint sfs1 foreign key (dp\_id) references doctor2 (dp\_id)

Alter table doctor add constraint sfs2 foreign key (b\_no) references bill (b\_no)

Alter table doctor3 add constraint sfs3 foreign key (d\_id) references doctor (d\_id)

Alter table doctor3 add constraint sfs4 foreign key (p\_id) references patient (p\_id)

Alter table patient add constraint sfs5 foreign key (l\_id) references laboratory (l\_id)

Alter table medicine add constraint sfs6 foreign key (p\_id) references patient (p\_id)

Alter table medicine2 add constraint sfs7 foreign key (d\_id) references doctor (d\_id)

Alter table bill add constraint sfs8 foreign key (p\_id) references patient (p\_id)

Alter table bill2 add constraint sfs9 foreign key (l\_id) references laboratory (l\_id)

Alter table bill3 add constraint sfs10 foreign key (c\_no) references counter (c\_no)

Alter table bill4 add constraint sfs11 foreign key (m\_id) references medicine (m\_id)

Insertion:

For laboratory table

Insert into laboratory values(9951,'X-Ray', 'Broken Leg')

Insert into laboratory values(9952,'Blood Group Test', 'A+')

Insert into laboratory values(9953,'Urin Test', 'Normal')

Insert into laboratory values(9954,'ECG', 'Heart Beat Normal')

For Patient table:

Insert into patient values(001,'Hafizur Rahman',19, 'Male','Gp-cha 42/2 Mohakhali,Dhaka',01715514464,'Leg fracture',9951)

Insert into patient values(002,'Samiha Rahman',13, 'Female', 'Chowdhuripara, Malibagh,Dhaka' ,01814656484,'Tonsil',9952)

Insert into patient values(003,'Aifa Khatun',43, 'Female','Block-c, Basundhora R/A ,Dhaka',01915384652,'Hand Infection',9953)

Insert into patient values(004,'Adnan Faruq',52, 'Male','Deyan Para, Mirpur-11,Dhaka',01535515644,'Fever',9954)

For Bill table:

Insert into Bill values(56155,'09-JAN-2019',001)

Insert into bill values(56156,'31-MAR-2019',002)

Insert into bill values(56157,'19-JUN-2019',003)

Insert into bill values(56158,'21-MAy-2019',004)

For doctor2 table

Insert into doctor2 values(5001,'Orthopedics', 'Orthopedic Surgeon')

Insert into doctor2 values(5002,'Medicine', 'Medicine Specialist')

Insert into doctor2 values(5003,'Cardiology', 'Cardiologist')

Insert into doctor2 values(5004, 'Gynecology', 'Gynecologist')

For doctor table:

Insert into doctor values(1001,'Dr. Rakib Ahmed', '7.30 PM -10.30 PM',5001,56155)

Insert into doctor values(1002,'Dr. Nowshin Jahan', '8.00 PM-11.00PM',5002, 56156)

Insert into doctor values(1003,'Dr. Abdur Rahim', '12.00 PM-3.30 PM',5003, 56157)

Insert into doctor values(1004,'Dr. Sameera Paul', '9.00 PM-10.30 PM',5004, 56158)

For doctor3 Table

Insert into doctor3 values(4001,1001,1)

Insert into doctor3 values(4002,1002,2)

Insert into doctor3 values(4003,1003,3)

Insert into doctor3 values(4004,1004,4)

For counter table

Insert into Counter values(301,'Shakil Ahmed')

Insert into Counter values(302,'Shahed Khan')

Insert into Counter values(303,'Lipi Akter')

Insert into Counter values(304,'Shamsun Nahar')

For medicine table

Insert into medicine values(4484,'Arlin-600', 'Bexim CO',1)

Insert into medicine values(5655,'Betnovate-N', 'GSK',2)

Insert into medicine values(5511,'Astrovite B', 'Glaxo Pharma',3)

Insert into medicine values(9981,'Napa', 'Square Pharma',4)

For medicine2 table

Insert into medicine2 values(4484,'Arlin-600', 'Bexim CO',1001)

Insert into medicine2 values(5655,'Betnovate-N', 'GSK',1002)

Insert into medicine2 values(5511,'Astrovite B', 'Glaxo Pharma',1003)

Insert into medicine2 values(9981,'Napa', 'Square Pharma',1004)

For Bill2 table:

Insert into Bill2 values(56155,'09-JAN-2019',9951)

Insert into bill2 values(56156,'31-MAR-2019',9952)

Insert into bill2 values(56157,'19-JUN-2019',9953)

Insert into bill2 values(56158,'21-MAy-2019',9954)

For Bill3 table:

Insert into Bill3 values(56155,'09-JAN-2019',301)

Insert into bill3 values(56156,'31-MAR-2019',302)

Insert into bill3 values(56157,'19-JUN-2019',303)

Insert into bill3 values(56158,'21-MAy-2019',304)

For Bill4 table:

Insert into Bill4 values(56155,'09-JAN-2019',4484)

Insert into bill4 values(56156,'31-MAR-2019',5655)

Insert into bill4 values(56157,'19-JUN-2019',5511)

Insert into bill4 values(56158,'21-MAy-2019',9981)