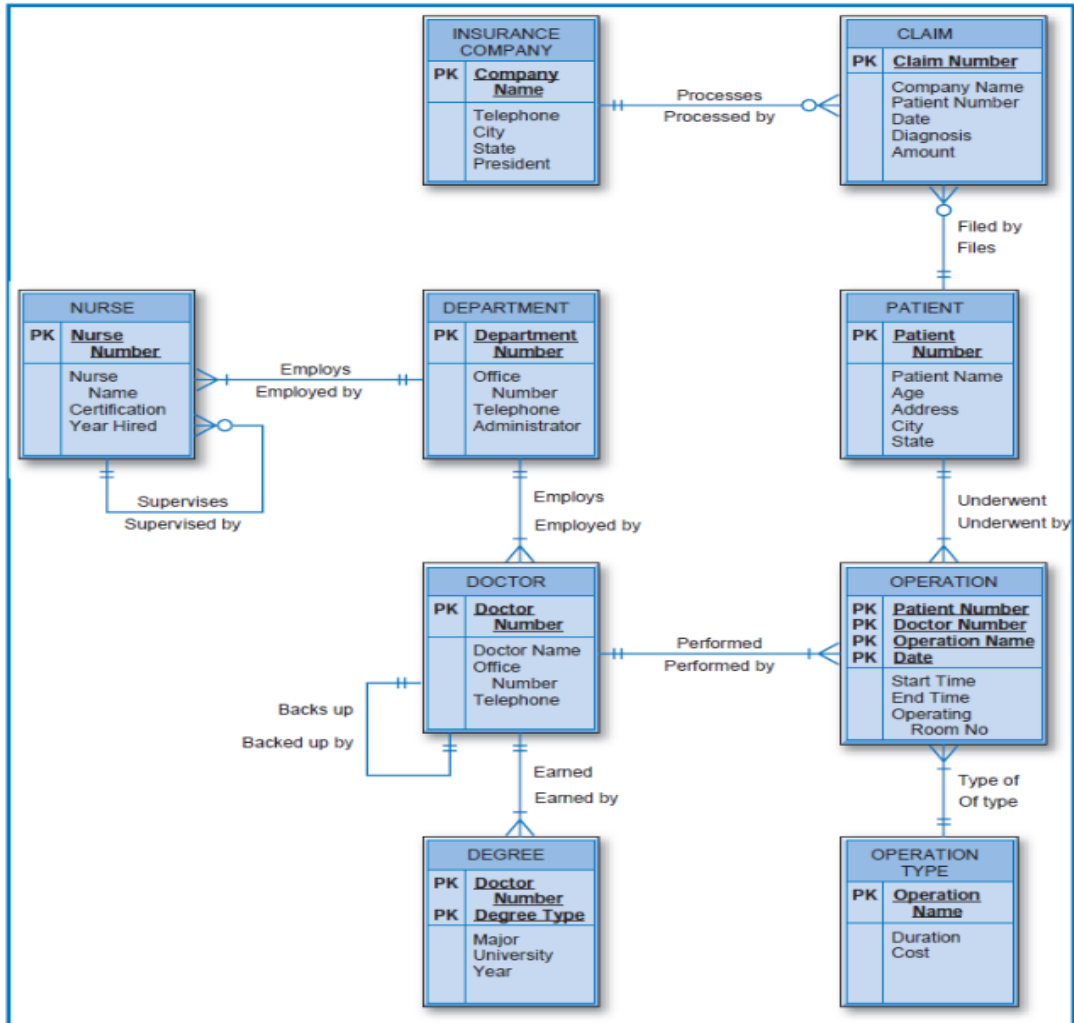


## Assignment 18

### CENTRAL HOSPITAL DATABASE



TOTAL TABLES

```

+-----+
| Tables_in_central_hospital_database |
+-----+
| claim
| doctor
| doctor_telephone
| insurance_company
| insurance_company_telephone
| operation
| patient
| patient_address
+-----+
8 rows in set (0.01 sec)

```

### 1)Insurance company table

create table INSURANCE\_COMPANY

```

(
  company_Name varchar(255) not null primary key,
  City varchar(255) not null,
  State varchar(255) not null,
  President varchar(255) not null
);

```

```

mysql> desc insurance_company;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| company_Name | varchar(255) | NO   | PRI | NULL    |       |
| City         | varchar(255) | NO   |     | NULL    |       |
| State        | varchar(255) | NO   |     | NULL    |       |
| President    | varchar(255) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

```

### 2)Insurance company composition table(INSURANCE\_COMPANY\_TELEPHONE)

create table INSURANCE\_COMPANY\_TELEPHONE

```

(
  company_Name varchar(255) not null,
  Telephone int not null,

```

foreign key(company\_Name) references INSURANCE\_COMPANY(company\_Name)  
);

```
mysql> desc insurance_company_telephone;
```

Field	Type	Null	Key	Default	Extra
company_Name	varchar(255)	NO	MUL	NULL	
Telephone	int	NO		NULL	

```
2 rows in set (0.01 sec)
```

### 3) Patient Table

create table PATIENT

(  
patient\_Number int not null primary key,  
patient\_Name varchar(255) not null,  
Age int not null,  
City varchar(255) not null,  
State varchar(255) not null  
);

```
mysql> desc patient;
```

Field	Type	Null	Key	Default	Extra
patient_Number	int	NO	PRI	NULL	
patient_Name	varchar(255)	NO		NULL	
Age	int	NO		NULL	
City	varchar(255)	NO		NULL	
State	varchar(255)	NO		NULL	

```
5 rows in set (0.01 sec)
```

### 4) Patient (Patient\_address)

create table PATIENT\_ADDRESS

(

```
patient_Number int not null,  
Address varchar(255)  
);
```

```
mysql> desc patient_address;
```

Field	Type	Null	Key	Default	Extra
patient_Number	int	NO		NULL	
Address	varchar(255)	YES		NULL	

2 rows in set (0.01 sec)

## 5)Claim Table

```
create table CLAIM
```

```
(
```

```
claim_Number int not null primary key,
```

```
company_Name varchar(255) not null,
```

```
patient_Number int not null,
```

```
Date date not null,
```

```
Diagnosis varchar(255) not null,
```

```
Amount float not null,
```

```
foreign key(company_Name) references INSURANCE_COMPANY(company_Name),
```

```
foreign key(patient_Number) references Patient(patient_Number)
```

```
);
```

```
mysql> desc claim;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| claim_Number   | int           | NO   | PRI | NULL    |       |
| company_Name   | varchar(255)  | NO   | MUL | NULL    |       |
| patient_Number | int           | NO   | MUL | NULL    |       |
| Date           | date          | NO   |     | NULL    |       |
| Diagnosis       | varchar(255)  | NO   |     | NULL    |       |
| Amount         | float         | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.01 sec)
```

## 6)Operation\_Type Table

create table OPERATION

```
(
operation_Name varchar(255) not null primary key,
Duration int not null,
Cost float not null
);
```

```
mysql> desc operation_type;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| operation_Name | varchar(255)  | NO   | PRI | NULL    |       |
| Duration       | int           | NO   |     | NULL    |       |
| Cost           | float         | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

## 7)Doctor table

create table DOCTOR

```
(
doctor_Number int not null primary key,
office_Number int not null,
doctor_Number_R int not null,
```

```
foreign key(doctor_Number_R) references DOCTOR(doctor_Number)
);
```

```
mysql> desc doctor;
+-----+-----+-----+-----+-----+-----+
| Field          | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| doctor_Number  | int  | NO   | PRI | NULL    |       |
| office_Number  | int  | NO   |     | NULL    |       |
| doctor_Number_R | int  | NO   | MUL | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

## 8)Doctor telephone

```
create table DOCTOR_Telephone
(
    doctor_Number int not null,
    Telephone int not null,
    foreign key(doctor_Number) references DOCTOR(doctor_Number)
);
```

```
mysql> desc doctor_telephone;
+-----+-----+-----+-----+-----+-----+
| Field          | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| doctor_Number  | int  | NO   | MUL | NULL    |       |
| Telephone       | int  | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)
```

## 9)Operation Table

```
create table OPERATION
(
    patient_Number int not null,
    doctor_Number int not null,
    operation_Name varchar(255) not null,
```

```

Date date not null primary key,
start_Time int not null,
end_Time int not null,
operating_Room_No int not null,
foreign key(patient_Number) references PATIENT(patient_Number),
foreign key(doctor_Number) references DOCTOR(doctor_Number),
foreign key(operation_Name) references OPERATION_TYPE(operation_Name)
);

```

```

mysql> desc operation;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| patient_Number | int           | NO   | MUL | NULL    |       |
| doctor_Number  | int           | NO   | MUL | NULL    |       |
| operation_Name | varchar(255)  | NO   | MUL | NULL    |       |
| Date           | date          | NO   | PRI | NULL    |       |
| start_Time     | int           | NO   |     | NULL    |       |
| end_Time       | int           | NO   |     | NULL    |       |
| operating_Room_No | int          | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.01 sec)

```

## 10)Degree Table

```

create table DEGREE
(
doctor_Number int not null,
degree_Type varchar(255) not null primary key,
Year int not null,
Major varchar(255) not null,
University varchar(255) not null,
foreign key(doctor_Number) references DOCTOR(doctor_Number)
);

```

```
mysql> desc degree;
```

Field	Type	Null	Key	Default	Extra
doctor_Number	int	NO	MUL	NULL	
degree_Type	varchar(255)	NO	PRI	NULL	
Year	int	NO		NULL	
Major	varchar(255)	NO		NULL	
University	varchar(255)	NO		NULL	

```
5 rows in set (0.01 sec)
```

## 11)Department Table

create table DEPARTMENT

```
(
  department_Number int not null primary key,
  office_Number int not null,
  administrator varchar(255)
);
```

```
mysql> desc department;
```

Field	Type	Null	Key	Default	Extra
department_Number	int	NO	PRI	NULL	
office_Number	int	NO		NULL	
administrator	varchar(255)	YES		NULL	

```
3 rows in set (0.01 sec)
```

## 12)Department telephone

create table DEPARTMENT\_TELEPHONE

```
(
  department_Number int not null,
  telephone int not null,
  foreign key(department_Number) references DEPARTMENT(department_number)
);
```



```
mysql> desc department_telephone;
```

Field	Type	Null	Key	Default	Extra
department_Number	int	NO	MUL	NULL	
telephone	int	NO		NULL	

```
2 rows in set (0.01 sec)
```

### 13) Nurse Table

create table NURSE

```
(
  nurse_Number int not null Primary Key,
  nurse_Name varchar(255) not null,
  Certification varchar(255) not null,
  year_Hired int not null,
  nurse_Number_R int not null,
  foreign key(nurse_Number_R) references NURSE(nurse_Number)
);
```

```
mysql> desc nurse;
```

Field	Type	Null	Key	Default	Extra
nurse_Number	int	NO	PRI	NULL	
nurse_Name	varchar(255)	NO		NULL	
Certification	varchar(255)	NO		NULL	
year_Hired	int	NO		NULL	
nurse_Number_R	int	NO	MUL	NULL	

```
5 rows in set (0.01 sec)
```

