

Hospital management system

Doctor

Patient

Staffs

pharmacy

Shifts

Hospital

Lab

Dept

Railway management system

```
create database errdiagram;
```

```
use errdiagram;
```

```
drop database errdiagram;
```

```
-- customers
```

```
create table customers ( cust_id int, name varchar(20), gender varchar(10), age int,
```

```
contact_add varchar(20), cust_email varchar(50), cust_pass varchar(50));
```

```
alter table customers modify cust_id int primary key;
```

```
desc customers;
```

```
alter table customers modify cust_id int not null;
```

```
-- admin table
```

```
create table admin ( admin_id int not null primary key, name varchar(20), gender varchar(10),
```

```
age int, contact_add varchar(20), admin_email varchar(50), admin_pass varchar(50));
```

```
desc admin;
```

```
-- train_ticket
```

```
create table train_ticket ( ticket_id int not null primary key, ticket_num int, date_of_journey date,
```

```
time_depart time, start_place varchar(50), end_place varchar(50));
```

```
desc train_ticket;
```

```
-- reservation table
```

```
create table reservation (res_id int primary key,cust_id int , admin_id int,ticket_id int ,
date_reserve date,
foreign key(admin_id) references admin(admin_id), foreign key(cust_id) references
customers(cust_id),
foreign key(ticket_id) references train_ticket(ticket_id));
```

```
desc reservation;
```

```
-- transaction_type table
```

```
create table transaction_type ( transty_id int primary key, trans_name varchar(50));
```

```
-- transaction table
```

```
create table transaction ( trans_id int primary key, trans_name varchar(50), transty_id int, res_id
int, cust_id int,
admin_id int, trans_date date,
foreign key(transty_id) references transaction_type(transty_id), foreign key(res_id) references
reservation(res_id),
foreign key(cust_id) references customers(cust_id), foreign key(admin_id) references
admin(admin_id));
```

```
-- reports table
```

```
create table reports ( report_id int primary key, trans_id int, res_id int,report_date date,
foreign key(trans_id) references transaction(trans_id), foreign key(res_id) references
reservation(res_id));
```

```
-- input for customers
```

```
insert into customers values(1001,"jeyavel","Male",23,"97/D AJ
colony","jeyavel2000@gmail.com","123xyz"),(1002,"raj","Male",23,"97/D AJ
colony","raj2000@gmail.com","124xyz"),
(1003,"mahesh","Male",22,"sivakasi","mahesh2001@gmail.com","125xyz"),
(1004,"jeyanthan","Male",22,"rajapalayam","naga2000@gmail.com","126xyz"),
(1005,"harrish","Male",22,"sivakasi","harrish2001@gmail.com","127xyz");
```

```
-- input for admin
```

```
insert into admin values(1,"admin1","Male",27,"sivakasi
branch","admin123@gmail.com","admin1@"),
(2,"admin2","Male",25,"vnr branch","admin124@gmail.com","admin2@"),
(3,"admin3","Male",28,"thiruthangal branch","admin125@gmail.com","admin3@"),
(4,"admin4","Male",26,"Madurai branch","admin126@gmail.com","admin4@"),
```

```
(5,"admin5","Male",25,"chennai branch","admin127@gmail.com","admin5@");
```

```
desc admin;
```

```
-- input for train_ticket
```

```
insert into train_ticket values(12,390,"2023-8-10","04:10:25","thiruthangal","madurai"),  
(13,391,"2023-8-10","04:15:25","sivakasi","madurai"),  
(14,392,"2023-8-10","04:20:25","vnr","madurai"),  
(15,393,"2023-8-10","04:30:25","kalikudi","madurai"),  
(16,394,"2023-8-10","05:10:25","madurai","chennai");
```

```
-- input for reservation
```

```
insert into reservation values(90,1001,1,12,"2023-8-10"),  
(91,1002,2,13,"2023-8-10"),  
(92,1003,3,14,"2023-8-10"),  
(93,1004,4,15,"2023-8-10"),  
(94,1005,5,16,"2023-8-10");
```

```
-- input for transaction_type
```

```
insert into transaction_type values(101,"jeyavel@indian railway"),  
(102,"raj@indian railway"),  
(103,"mahesh@indian railway"),  
(104,"jeyanthan@indian railway"),  
(105,"harrish@indian railway");
```

```
-- input for transaction table
```

```
insert into transaction values (190,"jeyavel@indian railway",101,90,1001,1,"2023-7-9"),  
(191,"raj@indian railway",102,91,1002,2,"2023-7-10"),  
(192,"mahesh@indian railway",103,92,1003,3,"2023-7-11"),  
(193,"jeyanthan@indian railway",104,93,1004,4,"2023-7-10"),  
(194,"harrish@indian railway",105,94,1005,5,"2023-7-11");
```

```
-- input for reports table
```

```
insert into reports value(50,190,90,"2023-7-11"),  
(51,191,91,"2023-7-12"),  
(52,192,92,"2023-7-13"),  
(53,193,93,"2023-7-12"),  
(54,194,94,"2023-7-13");
```

```
-- show tables  
select * from customers;
```