

```
Create database Hasvi_Orthopedic_Hospital;
```

```
Use Hasvi_Orthopedic_Hospital;
```

```
create table Hasvi_Hospital
(
H_id int identity(1,1) primary key,
H_name varchar(150),
H_phone int,
H_address varchar(150),
H_city varchar(50),
H_state varchar(50),
H_pincode varchar(15),
H_country varchar(50),
Admin_id int,
constraint fkadmin Foreign key (Admin_id) References Admin
);
```

```
Create table Admin
(
Admin_id int identity(1,1) Primary Key Clustered,
Admin_name varchar(50),
Phone varchar(15),
Email varchar(50) Unique,
Address varchar(150)
);
```

```
create table Login
(
Username varchar(50) Unique,
Password varchar(20),
--Hint_Question varchar(50),
--Hint_Answer varchar(50),
User_Type varchar(20) --(Patient,Doctor,Nurse,Staff,Admin)
);
```

```
create table Patient
(
Patient_id int identity(1,1) Primary Key Clustered ,
P_User_id as 'HMHP'+RIGHT('00000000'+cast(Patient_id as varchar(20)),20) persisted Unique,
Patient_name varchar(100),
Age int,
Gender varchar(10),
Phone varchar(15),
Street_Name varchar(200),
City varchar(50),
State varchar(50),
```

```
Pincode int,  
E_mail varchar(70) Unique,  
Marital_Status varchar(50),  
disease varchar(250)  
);
```

```
create table Doctor  
(  
Doctor_id int identity(1,1)Primary Key Clustered,  
Doctor_User_id AS 'HMHD'+RIGHT('00000000'+cast(Doctor_id as varchar(20)),20) persisted  
Unique,  
Doctor_name varchar(100),  
Age int,  
Gender varchar(10),  
Phone varchar(15),  
Street_Name varchar(200),  
City varchar(50),  
State varchar(50),  
Pincode int,  
E_mail varchar(70) Unique,  
Marital_Status varchar(50),  
Dept_id int foreign key references Department(Dept_id),  
Specialization varchar(100),  
Qualification varchar(100),  
Salary int,  
Designation varchar(50)  
);
```

```
Create table Nurse  
(  
Nurse_id int identity(1,1) Primary Key Clustered,  
Nurse_User_id as 'HMHN'+RIGHT('00000000'+cast(Nurse_id as varchar(20)),20) persisted  
Unique,  
Nurse_name varchar(100),  
Age int,  
Gender varchar(10),  
Phone varchar(15),  
Street_Name varchar(200),  
City varchar(50),  
State varchar(50),  
Pincode int,  
E_mail varchar(70) Unique,  
Marital_Status varchar(50),  
Dept_id int foreign key references Department(Dept_id),  
Specialization varchar(100),  
Qualification varchar(100),  
Salary int,  
Designation varchar(50)  
);
```

```

create table Appointment
(
Appoint_id int identity(1,1) Primary Key,
Name varchar(50),
Appoint_Date Date,
Status varchar(50) Default 'Pending',
Disease varchar(250)
);

create table OPD
(
OPD_ID int identity(1,1) Primary key clustered,
OPD_Date Date Default (GETDATE()),
Appoint_id int,
Doctor_id int,
Symptoms varchar(250),
Lab_Prescription varchar(500),
Diet_Advice varchar(500),
Status varchar(50) default 'Done',
Consultation_Charges int Default 600,
Patient_id int ,
Medicine_Prescription varchar(250),
foreign key (Patient_id) references Patient(Patient_id),foreign key (Appoint_id)
references Appointment(Appoint_id), foreign key(Doctor_id) references Doctor
(Doctor_id)
);

create table Staff
(
Staff_id int identity(1,1) Primary Key Clustered,
Staff_User_id as 'HMHS'+RIGHT('00000000'+cast(Staff_id as varchar(20)),20) persisted Unique,
Staff_name varchar(100),
Age int,
Gender varchar(10),
Phone varchar(15),
Street_Name varchar(200),
City varchar(50),
State varchar(50),
Pincode int,
E_mail varchar(70) Unique,
Marital_Status varchar(50),
Dept_id int foreign key references Department(Dept_id),
Specialization varchar(100),
Qualification varchar(100),
Salary int,
Designation varchar(50)
);

```

```
Create table Department
(
Dept_id int identity(101,1) Primary Key Clustered,
Dept_name varchar(50)
);

Create table Payroll
(
Payroll_id int identity(10000,1) Primary Key Clustered,
Emp_id varchar(24),
Salary int,
--Hourly_Salary int,
--Bonus_Salary int,
--Account_No int,
--Total_Leave int,
--Net_Salary int default Salary-
Dept_id int ,
constraint fc1 foreign key (Dept_id) references Department (Dept_id), constraint fc2 ➤
foreign key (Emp_id) references Doctor (Doctor_User_id),
constraint fc3 foreign key (Emp_id) references Nurse (Nurse_User_id) , constraint fc4 ➤
foreign key (Emp_id) references Staff (Staff_User_id)
);

create table Room
(
Room_id int identity(1,1) Primary Key clustered,
Room_Number int,
Bed_number int,
Room_Category varchar(50),
Floor varchar(20),
Room_charges int,
Room_Status varchar(20) Default 'Available'
);

Create Table Patient_Admission
(
Admission_id int identity(1,1) Primary Key Clustered,
Patient_id int foreign key References Patient(Patient_id),
Room_id int foreign key references Room(Room_id),
Admission_Date Date,
Doctor_id int foreign key references Doctor(Doctor_id),
Room_Entry_Date Datetime default getdate(),
disease varchar(100),
);

Create Table Patient_Discharge
(
Patient_id int foreign key References Patient(Patient_id),
```

```
Discharge_Date Date,  
Room_Exit_Date Datetime default getdate(),  
Room_id int foreign key references Room(Room_id),  
Lab_Test_id int foreign key references Lab_Test(Lab_Test_id)  
);
```

```
Create table X_Ray_Test  
(  
X_Ray_id int identity(1001,1) Primary Key Clustered,  
Patient_id int foreign key references Patient(Patient_id),  
X_Ray_Test_name varchar(100),  
X_Ray_Date_Time DateTime Default GETDATE()  
);
```

```
create table Lab_Test  
(  
Lab_Test_id int identity(10000,1) Primary Key Clustered,  
Patient_id int foreign key references Patient(Patient_id),  
Weight int,  
Test_Date Date,  
Test_name varchar(50),  
Amount int  
);
```

```
create table Invoice  
(  
Inv_id int identity(1001,1) Primary Key Clustered,  
Invoice_Number as 'HMH1'+RIGHT('00000000'+cast(Inv_id as varchar(20)),20) persisted,  
Patient_id int foreign key references Patient(Patient_id),  
Invoice_Date Date,  
Doctor_Visiting_Charge int,  
Consultation_charge int,  
Room_Charges int,  
Surgery_Charges int Null,  
No_of_Days int ,--DEFAULT DATEDIFF(DAY,Admission_Date,Discharge_Date),  
Nursing_Charges int,  
Lab_Charges int,  
Medicine_Charges int,  
Advance_amount int,  
Total_Payment int,  
Other_Charges int Null,  
Payment_Type varchar(20),  
Patient_name varchar(100)  
);
```

```
Create table Category  
(  
Category_id int identity(1,1) Primary Key Clustered,
```

```
Category_name varchar(50)
);
```

```
create table Supplier
(
Supplier_Id int identity(1000,1) Primary Key Clustered,
Company_name varchar(100),
Contact_name varchar(50),
Address varchar(100),
City varchar(50),
Pincode int,
Phone varchar(15),
Email_Id varchar(50) Unique,
Category_id int foreign key references Category (Category_id)
);
```

```
create table Product
(
Product_id int identity(1000,1) Primary Key Clustered,
Product_name varchar(100),
Price int,
Category_id int,
Qty int,
Supplier_Id int,
Tax float,
constraint fk1 foreign key(Category_id) References Category(Category_id),Constraint
fk2 Foreign key (Supplier_Id) references Supplier(Supplier_Id)
);
```

```
create table Medicine
(
Medicine_id int identity(100000,1) Primary Key Clustered,
Medicine_name varchar(100),
Brand_name varchar(100),
Mfg_Date Date,
Exp_Date Date,
Qty int,
MRP Float,
Pack_type varchar(50),
Category varchar(50)
);
```