create table Hostels (

hostel\_id INT PRIMARY KEY,

hostel\_name VARCHAR(30) UNIQUE,

location VARCHAR(50) NOT NULL,

total\_rooms INT NOT NULL CHECK (total\_rooms IS NOT NULL),

warden\_name VARCHAR(40)

)

insert into Hostels values(101,'alpha','main',50,'roja')

insert into Hostels values(102,'magnus','kharadi',10,'pinky')

insert into Hostels values(103,'puri','nimapara',20,'neha')

insert into Hostels values(104,'greeland','pipil',30,'dezy')

select \* from Hostels;

create table Rooms (

Room\_id INT PRIMARY KEY,

floor INT NOT NULL,

capacity INT NOT NULL CHECK(CAPACITY>0),

status NVARCHAR(30) CHECK(status='occupied' or status='vacant' or status='under maintenance') DEFAULT 'vacant',

hostel\_id INT,FOREIGN KEY (hostel\_id) REFERENCES Hostels(hostel\_id) ON DELETE CASCADE

)

insert into Rooms values(301,1,2,'vacant',101)

insert into Rooms values(302,2,4,'vacant',102)

insert into Rooms values(303,3,1,'vacant',103)

insert into Rooms values(304,4,3,'vacant',104)

select \* from Rooms;

create table Students (

Student\_id INT PRIMARY KEY,

Student\_name varchar(100) NOT NULL,

Date\_of\_Birth DATE NOT NULL,

Gender varchar(10) NOT NULL,

Contactnumber varchar(20) UNIQUE NOT NULL,

Email varchar(100) UNIQUE NOT NULL,

Address TEXT NOT NULL,

JoiningDate DATE NOT NULL,

Status VARCHAR(20) DEFAULT 'active',

Room\_id INT,FOREIGN KEY (Room\_id) REFERENCES Rooms(Room\_id) ON DELETE CASCADE

)

insert into Students values(1,'Maya Singh','1998-07-21','Female','1234567891','maya123@gmail.com','123 main city','2024-07-03','active',301)

insert into Students values(2,'Ashis Kumar','1999-05-24','Male','1234567892','ashu@gmail.com','45 grandroad','2024-03-04','active',302)

insert into Students values(3,'Shriya Kumari','2002-06-30','Male','1234567893','shriya@gmail.com','63 guhalapada','2024-02-05','active',303)

insert into Students values(4,'Sunil Kumar','2022-09-13','Female','1234567894','rishi@gmail.com','51 paikpada','2024-07-06','active',304)

select \* from Students;

CREATE TABLE Staff (

staff\_id INT PRIMARY KEY,

staff\_name NVARCHAR(58) NOT NULL,

role NVARCHAR(50) NOT NULL,

contact\_number NVARCHAR(20) UNIQUE,

Email NVARCHAR(100) UNIQUE,

hostel\_id INT,FOREIGN KEY (hostel\_id) REFERENCES Hostels(hostel\_id) ON DELETE CASCADE

)

insert into Staff values(1,'Ruby Dey','maintenance','1122345','ruby@gmail.com',101)

insert into Staff values(2,'Sonali Sahoo','warden','2332678','sonali@gmail.com',102)

insert into Staff values(3,'Subhasmita Dash','maintenance','33256689','subhasmita@gmail.com',103)

insert into Staff values(4,'Anjali Pattnaik','warden','33221175','anjali@gmail.com',104)

select \* from Staff;

CREATE TABLE Facilities (

facility\_id INT PRIMARY KEY,

facility\_name NVARCHAR(50) NOT NULL,

hostel\_id INT,FOREIGN KEY (hostel\_id) REFERENCES Hostels(hostel\_id) ON DELETE CASCADE

)

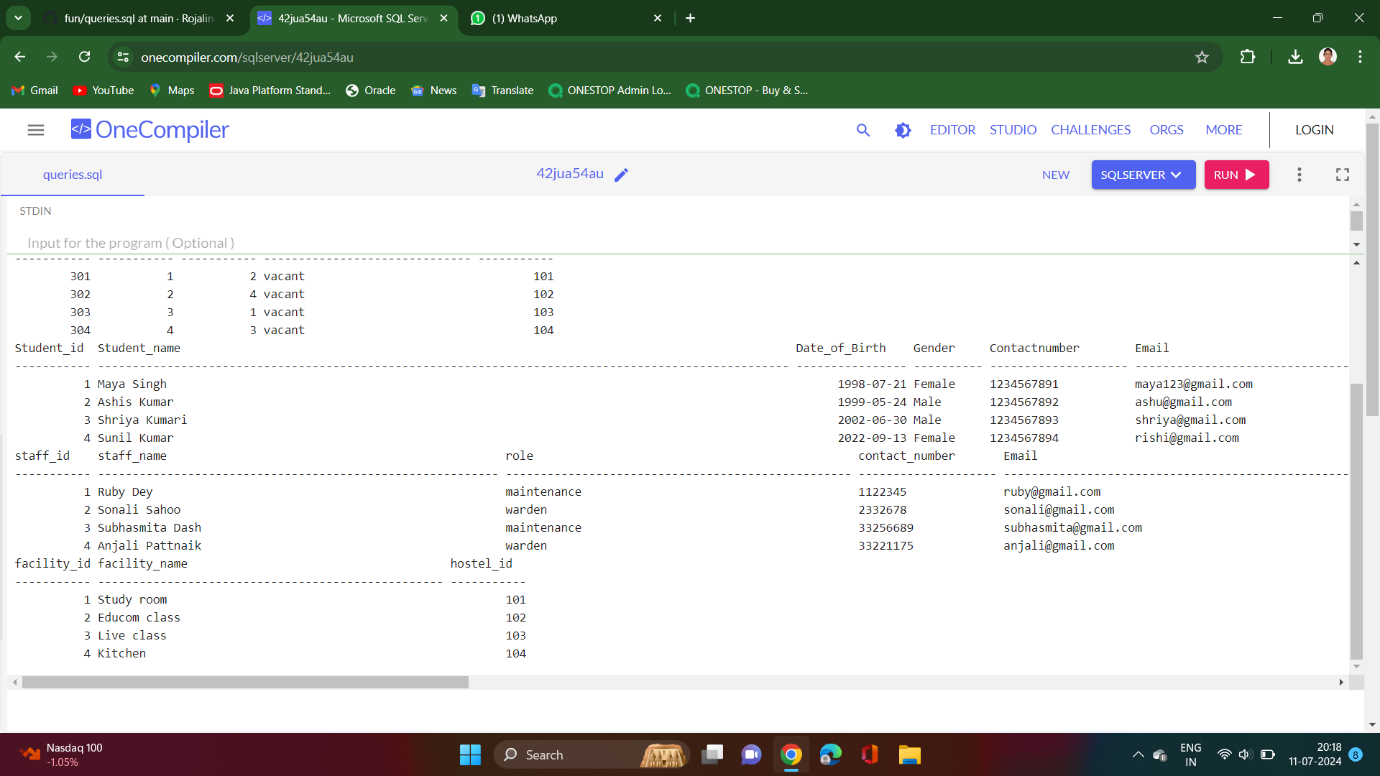
insert into Facilities values(1,'Study room',101)

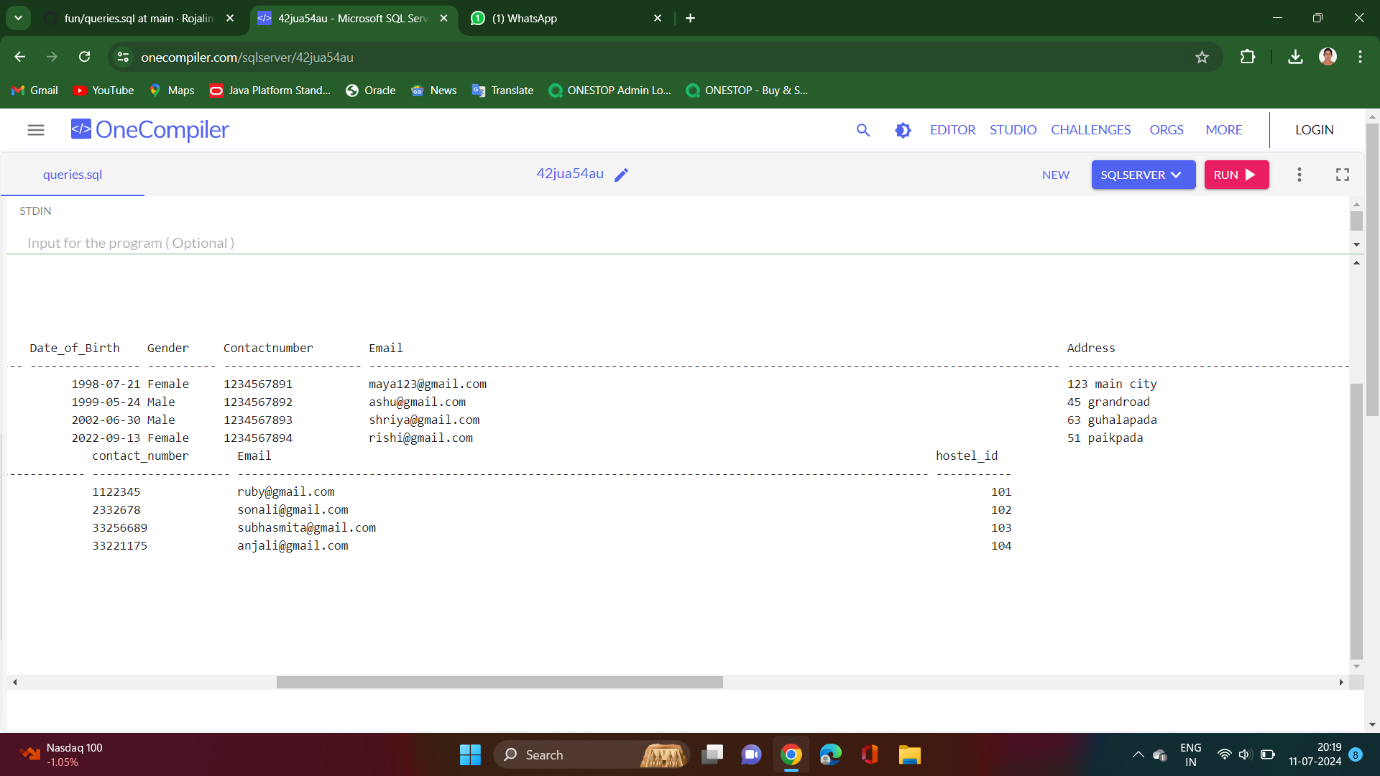
insert into Facilities values(2,'Educom class',102)

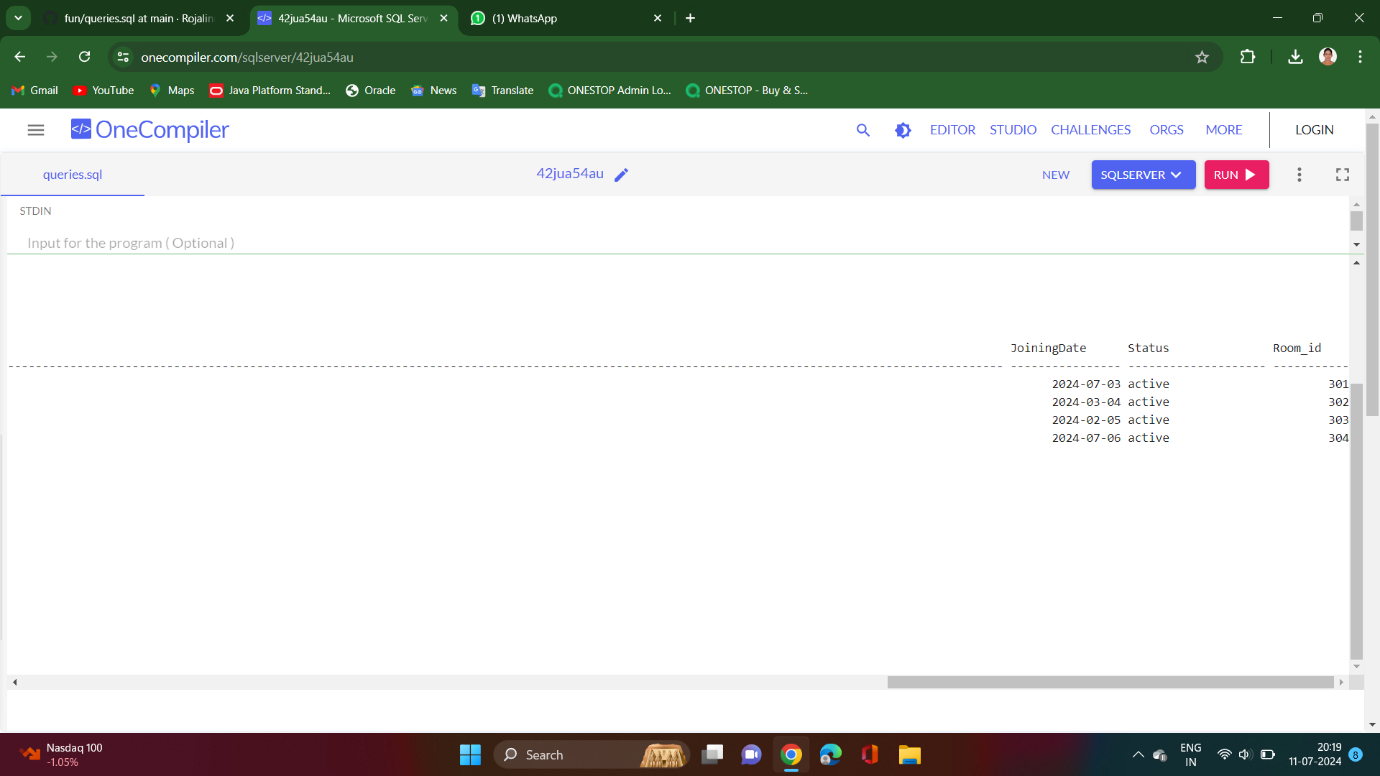
insert into Facilities values(3,'Live class',103)

insert into Facilities values(4,'Kitchen',104)

select \* from Facilities;





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