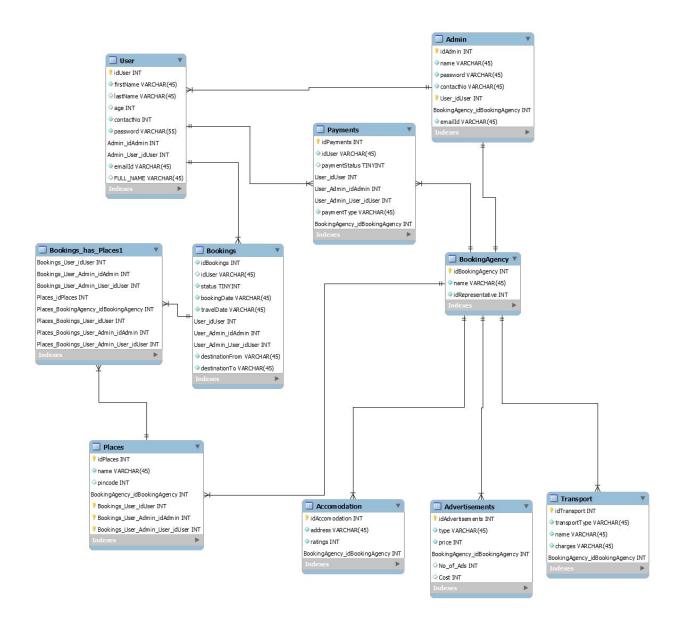
### **DBMS ASSIGNMENT 2**

1. SHOWCASE A MANY-MANY RELATION.

### A MANY-MANY RELATION IN BETWEEN PLACES AND BOOKINGS HAS BEEN IMPLEMENTED.



2.REPRESENT COMPOSITE KEY AND WEAK ENTITY IN YOUR DATABASE:

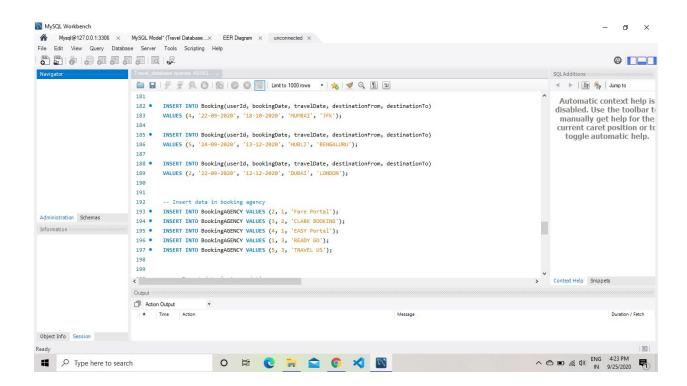
<u>COMPOSITE KEY IS IN</u>: BOOKING\_HAS\_PLACES1 -> PrimaryKey(BookingID, PlacesID)

**WEAK ENTITY** -> BOOKING\_HAS\_PLACES1

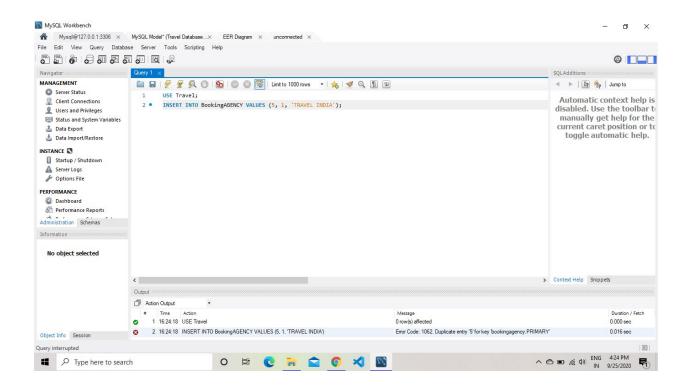
3.SHOW VIOLATION OF PRIMARY KEY, UNIQUE NOT NULL, and DEFAULT KEY CONSTRAINTS THROUGH INSERTION:

#### **VIOLATION OF PRIMARY KEY**

a.DATA INSERTED:

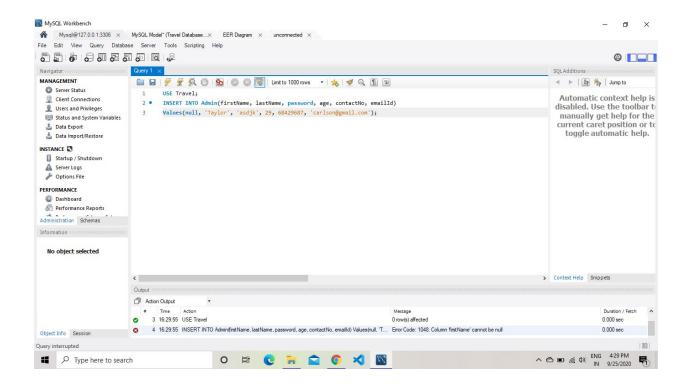


## b.WHEN TRYING TO DUPLICATE PRIMARY KEY(BOOKING ID): **THROWS ERROR**



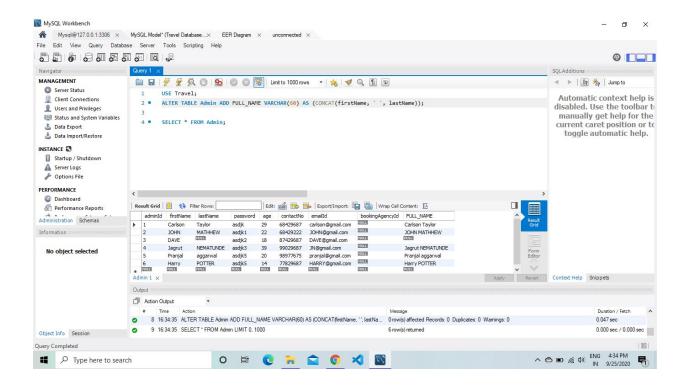
#### **VIOLATION OF NOT-NULL**

HERE FIRST NAME CANNOT BE NULL IN ADMIN , BUT IF WE TRY TO NULL IT :

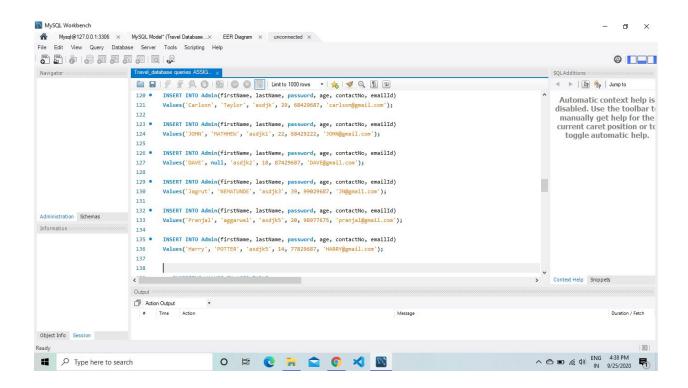


### 4.ONE DERIVED ATTRIBUTE SHOULD BE ADDED TO THE DATABASE DESIGN:

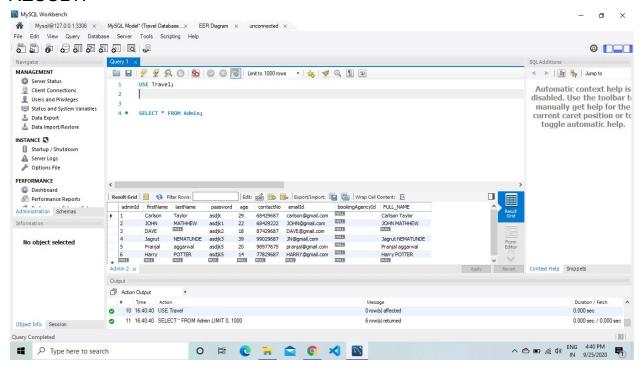
#### **FULL\_NAME FOR Admin:**



# 5.INSERT TUPLES INTO THE TABLE AND SEE HOW FORIEGN KEY CONSTRAINTS WORK IF YOU TRY TO INSERT INTO THE DEPENDENT TABLE FIRST:



#### **RESULT:**



### IF TRYING TO INSERT A FOREIGN KEY INTO A DEPENDENT TABLE FIRST THEN:

