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AI-generated content may be incorrect.

**COMSATS UNIVERSITY ISLAMABAD, ABBOTTABAD CAMPUS**

**Database System**

**Project Report**

Airline Reservation System

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# Airline Reservation System

## **Objective**

The goal of this project is to develop a Airline Reservation System that allows:

* User registration and login (admin or passenger).
* Viewing flight information (domestic and international).
* Booking domestic and international flights.
* Secure storage of booking and user data.
* Role-based access (admin vs. general user)

## **ER Diagram**

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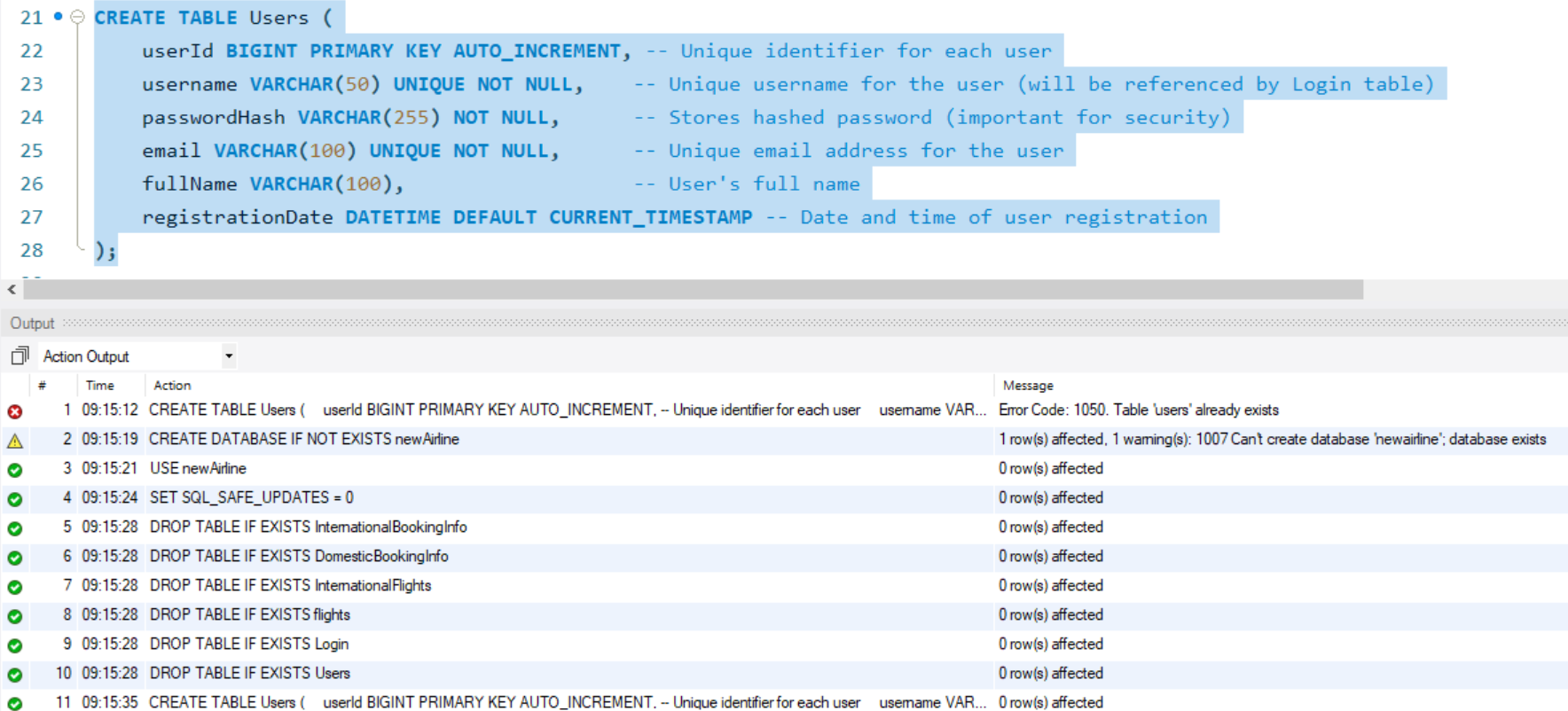
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## **Table Design**

* **Users**: Stores account details of users.
* **Login**: Used for system login (linked to Users).
* **flights**: Domestic flight data.
* **International Flights**: International flight data.
* **DomesticBookingInfo**: Details of domestic bookings.
* **InternationalBookingInfo**: Details of international bookings.

Each table includes foreign key constraints, data validation checks, and ensures referential integrity.

### **User table**



### **Login Table**

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### **Domestic Flights Table**

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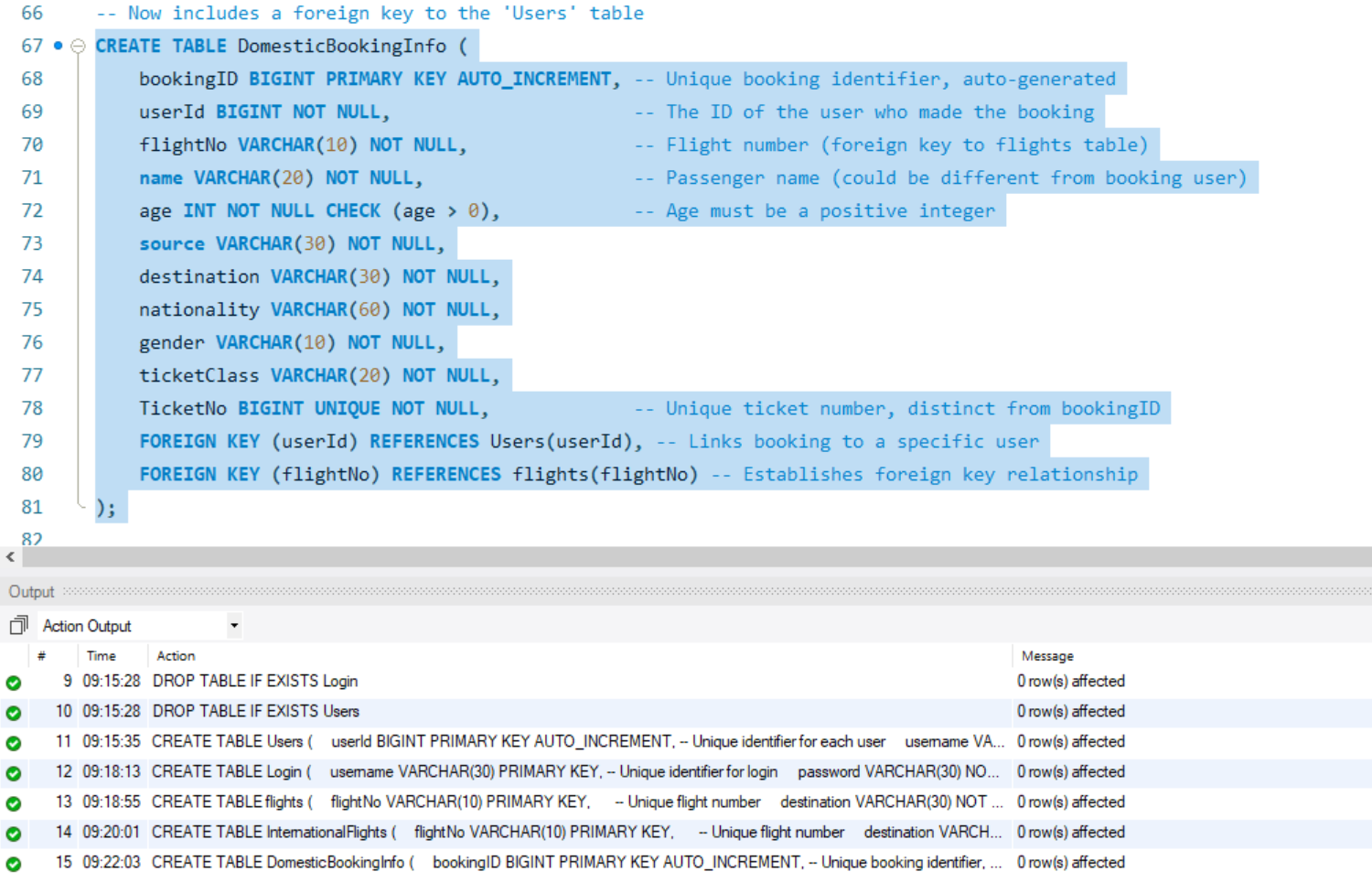
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### **International flight**

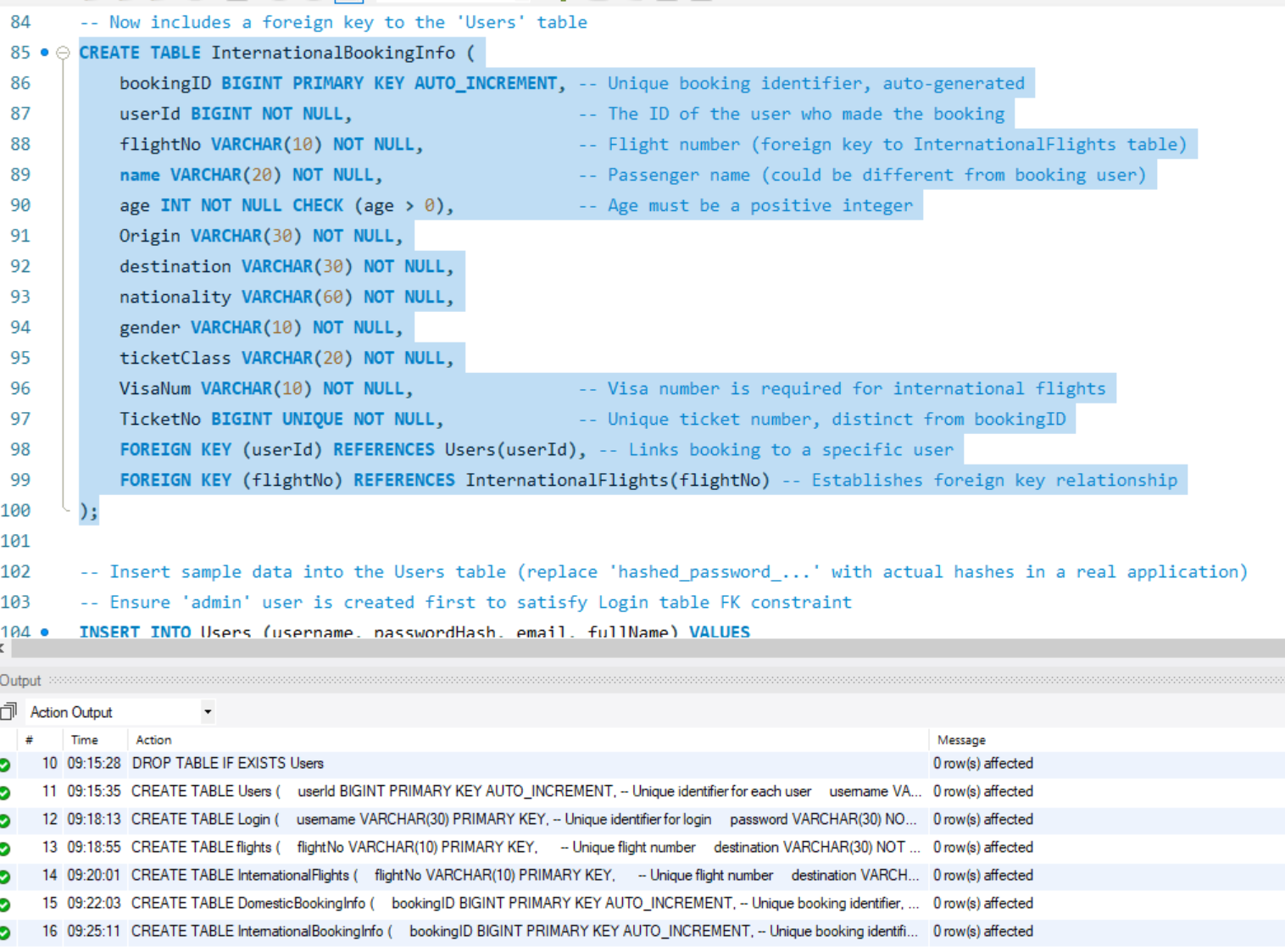
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### **Domestic Booking Info**

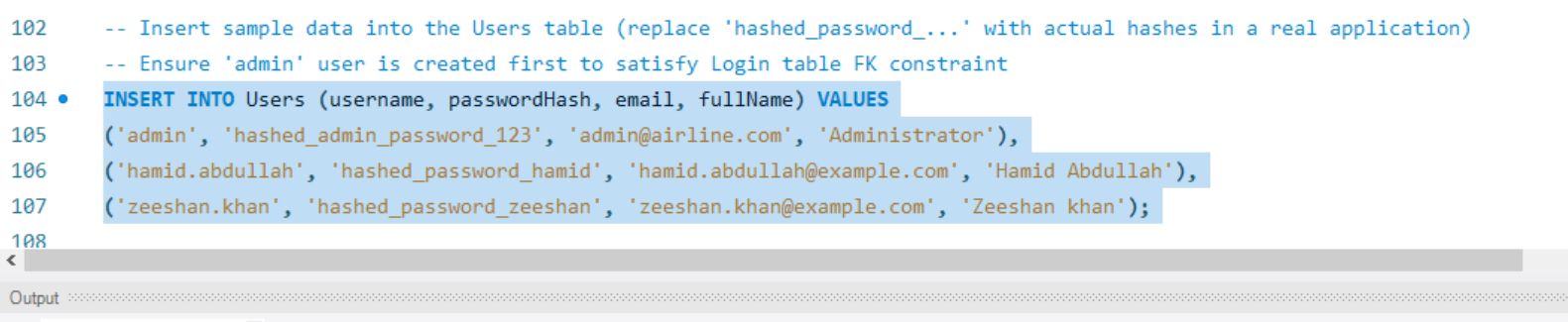
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### **International Booking info**

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## **Sample Data**

### **User Insert queries**

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### **Login insert queries**

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### **Domestic flight insert queries**

**A computer screen shot of a computer code

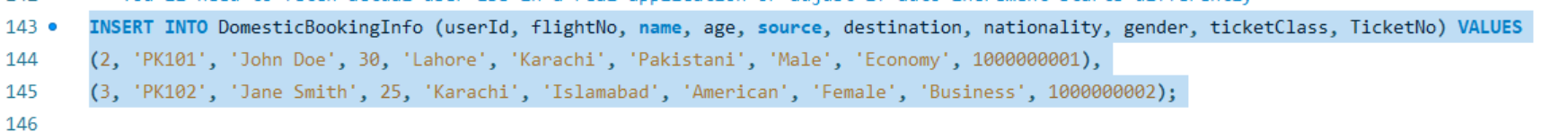
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### **International flight Insert queries**

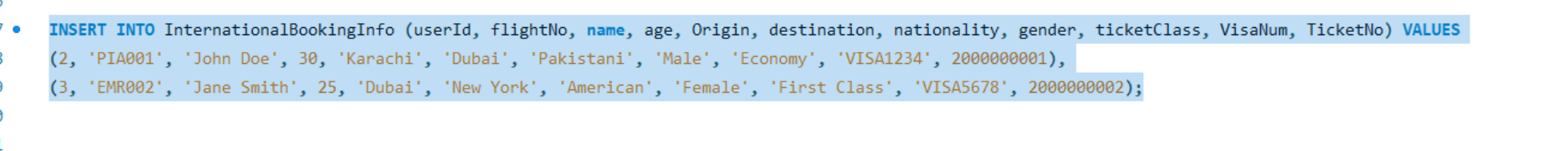
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### **Domestic Booking Info Insert queries**

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### **International booking info insert queries**

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## **Sample Queries**

### **View All Users**

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### **All Domestic Flights**

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### **All International Bookings**

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### **Bookings by a Specific User**

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## **Database Scheme (SQL Code)**

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