

Exam A - Car Pooling System

In the main function:

- Create a **SINGLE** array of passengers, which contains subscribers and non-subscribers passengers.
- Note that the subscriber passengers created should have different ages and number of trips to be reserved.
- Create an array of cars with different routes and link each car to a different passenger by trying to generate a ticket as a proof of reservation.
- Make sure that **all functionalities** of the passengers are tested and called in the main.
- Display the details of all passengers along with the car details they rode and their routes.

Exam B - Internet Router Rental Mini System

In the main function:

- Create a **SINGLE** array of customers, which contains Residents and Foreigner customers.
- Create an array of routers with different models and link each router to a different reservation.
- Generate different invoices and link them to different customers.
- Create at least one customer with multiple invoices.
- Make sure that **all functionalities** of the customers are tested and called in the main.
- Display the details of all customers along with the reservation details they made and their routers.

Exam C - Sports Game Ticket Reservation Mini System

In the main function:

- Create a **SINGLE** array of games, which contains national and international games. Note that national games should be between teams as Ahly, Zamalek..., etc., whereas International games should be between Egypt, Argentina, Italy, ..., etc.
- Create an array of seats with different categories for different games.
- Generate different tickets and link them to different sport fans.
- Create at least one sport fan with multiple tickets.
- Make sure that **all functionalities** of the sport fans are tested and called in the main.
- Display the details of all sport fans along with the tickets details they made and their games.

Exam D - Food Catering Delivery Mini System

In the main function:

- Create a **SINGLE** array of customers, which contains loyalty customers and guests.
- Create different arrays of food items. Each array should have different multiple categories.
- Generate different orders and link them to different arrays of food items and different customers with different delivery details.
- Make sure that **all functionalities** of the customers are tested and called in the main.
- Display the details of all customers along with the orders details they made and their meals.