

IX KCE Round II

Duration : 8 Hours (10.00 a.m to 06.00 PM)

Instructions :

- Candidate can choose any programming languages that he/she prefer
- Interviewer will review the code and verify the output for the completed programs.
- Program should be well commented
- Users should provide the inputs for all the program, avoid hardcoding the inputs.
- Ensure Database schema has attached as part of the code base.
- Once completed commit into github or upload into Google Drive and share the link with us.
- Ensure your files are uploaded before 6'O clock.

For clarification please reach out to Senthil Murugan, HR Manager . Mobile : 99527 25745

Step 1. The program should display the menu as follows

1. Admin Login
2. Agent Login
3. Exit

Step 2. If 1 is pressed, get the admin login details and validate. On valid login, show the below menu

1. Add Bus (Fields :Bus name, From, To, Total Seat, Price and auto generate bus id)
2. Add Agent (Fields: Agent Name, mobile no, password and auto generate agent code and display)
3. Logout => Should display the menu on Step 1.

Step 3. If 2 is entered, the validate the Agent Login details (against auto-generated Agent Code and Password) and on successful login, show the below menu

- 1) List the Bus Details
- 2) Book Ticket
 - a) Ask the user to enter Bus Id

- b) Based on the Bus Id show the following details “ Bus Name, From, To , Available Ticket”.
 - c) Ask the user to enter “No of tickets to book”.
 - d) Validate ticket to book against the available ticket
 - e) if tickets are available show then calculate the “Total Fare” and ask for agent confirm Booking and then display menu on step 3 If tickets are not available then show “Tickets not available” and display menu on step
- 3) Show My Booking
 - a. Show All Previously Book Tickets on the logged in agent on

Latest Booked Tickets First. (Bus Name, From , To , No of Ticket Booked, Total Fare.) and then display menu at step 3
- 4) Logout => Should display the menu on step 1.