**BUS RESERVATION SYSTEM**

The c project that I have developed is for the Bus Reservation which is one of the real time applications. Initially I have made the code to know the purpose of the customer(to enquire or to both enquire and book).Accordingly, the code is executed. For enquiry, the number of buses that the agency is running and details like timings, available seats ,cost of each ticket etc are printed to the customer according to their options. This gives a complete view to the customer who enquires for it.

Next, the details from the user for reservation is done where the name, age, gender, date, month, year of their travelling ,timing of the bus, Number of persons travelling ,type of bus ( seater or semi sleeper) are taken which are considered to be essential. Here the code prints for the valid timings available for them. Then it shows the cost of the tickets according to the stoppings preferred by the customer(as payments may differ for different stoppings).Then the code asks to specify the no. of seats in the available routes according to which the cost is printed at last. Next, it allows the customer to book the seat numbers(only to the available seats) according to their wish and here the seat list is shown to them to have a overview.( regarding the booked seats where the booked seats are indicated by letter ‘b’). Finally the receipt containing the name, age, gender(for each person),total cost of their tickets and the booked seats are printed for the customer. If the customer wishes ,the booking can be made once again with another set of data( another booking) or he/she can exit the page. Thus, the Bus Reservation System is done successfully.