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**Project Title: Bus Booking System**

**BUSBOOK.C**

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| #include<stdio.h>  #include<conio.h>  #include<string.h>  #include <time.h>  #define SIZE 28  #define word 30  #define max\_op 8  #define max\_route 10  #define max\_pd 7  #define PRICE\_PER\_STOP 120  struct Route {     char routeName[word];     char pickDrop[max\_pd][word];  };  struct BusOperator {     char name[word];     struct Route routes[max\_route];  }operators[max\_op];  struct findBus {     int busName\_i;     int routeName\_i[5];     int routeCount;     int stopCount[5];  }find\_bus[max\_op];  char list[SIZE][word] = { "Ahmedabad", "Amreli", "Anjar", "Anand", "Bhavnagar", "Botad", "Bhuj", "Dwarka", "Chotila", "Bhachau", "Dhrol",  "Dhoraji", "Gandhinagar", "Gandhidham", "Jamnagar", "Junagadh", "Jetpur", "Khambhalia", "Limbdi", "Mehsana", "Morbi", "Porbandar", "Palanpur", "Rajkot", "Somnath", "Surat", "Vadodara", "Surendranagar" };  int discount[max\_op] = { 10, 5, 2, 4, 30, 5, 13, 8 };  int from, to;  void title();  int main\_menu();  void booking();  void match();  void history();  void display\_list();  void displayAvailable();  void load\_data();  void finalBook(int, int, int);  void display\_bus();  char\* seatLayout();  int main() {     int x = 8;     // clrscr();     load\_data();     do {        title();        x = main\_menu();        switch (x) {        case 0: x = 0; break;        case 1: {           booking();           break;        }        case 2: {           history();           break;        }        case 3: {           display\_bus();           break;        }        default: printf("Invalid input. See main menu and Enter proper number"); getch();        }     } while (x); // x = 0 means false     return 0;  }  void title() {     printf("\n\t============= Bus Booking System =============\n");  }  int main\_menu() {     int i = 8;     printf("\n\t 1. Advance Booking");     printf("\n\t 2. Booking History");     printf("\n\t 3. View Available Bus");     printf("\n\t 0. Exit Program\n");     printf("\n\t Enter number from menu: ");     scanf("%d", &i);     return i;  }  void display\_bus() {     int bus\_i, route\_i, stop\_i;     for (bus\_i = 0; bus\_i < max\_op; bus\_i++) {        printf("\n\n\tOperator-%d: %s\n", bus\_i + 1, operators[bus\_i].name);        for (route\_i = 0; route\_i < max\_route; route\_i++) {           if (operators[bus\_i].routes[route\_i].routeName[0] != '\0') {              printf("Route-%d: %-26s", route\_i + 1, operators[bus\_i].routes[route\_i].routeName);              if (route\_i % 2 != 0)                 printf("\n");           }        }     }  }  void load\_data() {     // struct BusOperator operators[max\_op] = { 0 };     char data[100], line[100], \* p, \* startAt; //bus[8][30], route[8][11][30], pickup\_drop[8][11][9][30] = { 0 }     int bus\_i, route\_i, i, j, stop\_i;     FILE\* bus\_data = fopen("bus\_data.txt", "r");     if (bus\_data == NULL) {        printf("Bus routes data file not exist or not able to open file.");        return;     }     for (bus\_i = 0; bus\_i < max\_op; bus\_i++) {        for (route\_i = 0; route\_i < max\_route + 1; route\_i++) {           fgets(data, 100, bus\_data);           j = strcspn(data, "\n"); // find '\n' index and           data[j] = '\0'; // replace with '\0'           // printf("%s\n", data);             if (route\_i == 0) {              strcpy(operators[bus\_i].name, data); // store operator name           }           else {              strcpy(line, data);              // printf("%s\n", line);              j = strcspn(line, ",");              line[j] = '\0';              strcpy(operators[bus\_i].routes[route\_i - 1].routeName, line); // route name, index start 0              startAt = line + j + 1; // line address, than go at j index address, than +1, now startAt have address after comma (,)              stop\_i = 0;              p = strtok(startAt, "|");              while (p != NULL && stop\_i < max\_pd) {                 strcpy(operators[bus\_i].routes[route\_i - 1].pickDrop[stop\_i], p);                 stop\_i++;                 p = strtok(NULL, "|");              }           }        }     }     // for (bus\_i = 0; bus\_i < max\_op; bus\_i++) {     //    printf("Operator[%d]: %s\n", bus\_i + 1, operators[bus\_i].name);     //    for (route\_i = 0; route\_i < max\_route; route\_i++) {     //       if (operators[bus\_i].routes[route\_i].routeName[0] != '\0') {     //          printf("\tRoute[%d]: %s\n", route\_i + 1, operators[bus\_i].routes[route\_i].routeName);     //          for (stop\_i = 0; stop\_i < max\_pd; stop\_i++) {     //             if (operators[bus\_i].routes[route\_i].pickDrop[stop\_i][0] != '\0')     //                printf("\t\tStop[%d]: %s\n", stop\_i + 1, operators[bus\_i].routes[route\_i].pickDrop[stop\_i]);     //          }     //       }     //    }     // }     fclose(bus\_data);  }  void booking() {  reEnterPoint:     display\_list();     printf("\n\t\tFrom: ");     scanf("%d", &from);     from--; // Adjusting for 0-based index     printf("\n\t\t  To: ");     scanf("%d", &to);     to--; // Adjusting for 0-based index     if (from == to) {        printf("\n\tFrom and To cannot be the same. Please Enter different locations number.\n");        getch();        goto reEnterPoint; // Restart booking process     }     if (from < 0 || from > SIZE + 1 || to < 0 || to > SIZE + 1) { // Check for valid range ex. 1 to 28        printf("\n\tInvalid input. Please Enter a valid number.\n");        getch();        goto reEnterPoint; // Restart booking process     }     // printf("\n\t%s To %s", list[from], list[to]);     match();  }  void match() {     int bus\_i, route\_i, stop\_i, stops\_count = 0;     int flag\_f = 0, flag\_t = 0, found = 0;     int i = 0, j = 0;     int b, r;     // initialize find\_bus     for (b = 0; b < max\_op; b++) {        find\_bus[b].busName\_i = -1;        find\_bus[b].routeCount = 0;        for (r = 0; r < 5; r++) {           find\_bus[b].routeName\_i[r] = -1;           find\_bus[b].stopCount[r] = 0;        }     }     printf("\n\t%s To %s\n", list[from], list[to]);     for (bus\_i = 0; bus\_i < max\_op; bus\_i++) {        j = 0; // reset per bus        for (route\_i = 0; route\_i < max\_route; route\_i++) {           for (stop\_i = 0; stop\_i < max\_pd; stop\_i++) {              if (strcmp(operators[bus\_i].routes[route\_i].pickDrop[stop\_i], list[from]) == 0 || flag\_f == 1) {                 if (flag\_f == 0) {                    flag\_f = 1;                    stops\_count = 0;                 }                 else {                    stops\_count++;                 }                 if (strcmp(operators[bus\_i].routes[route\_i].pickDrop[stop\_i], list[to]) == 0) {                    flag\_t = 1;                    break;                 }              }           }           if (flag\_f == 1 && flag\_t == 1) {              find\_bus[i].busName\_i = bus\_i;              find\_bus[i].routeName\_i[j] = route\_i;              find\_bus[i].routeCount = j + 1;              find\_bus[i].stopCount[j] = stops\_count;              j++;              found = 1;           }           flag\_f = 0;           flag\_t = 0;        }        if (find\_bus[i].busName\_i != -1) {           i++;        }     }     if (found) {        displayAvailable();     }     else {        printf("\n\t Sorry, Not any bus route found for your journey.\n");        getch();     }  }  void displayAvailable() {     int b, r, s, i, n;  reEnterNumber:     // printf("\n No.\tBus Operator Name\tBus Route\tPrice\n");     printf("\n%-4s %-23s %-26s %5s %12s\n", "No.", "Bus Operator Name", "Bus Route", "Price", "Discount");     printf("---------------------------------------------------------------------------\n");     i = 1;     for (b = 0; b < max\_op; b++) {        if (find\_bus[b].busName\_i != -1) {           for (r = 0; r < find\_bus[b].routeCount; r++) {              if (find\_bus[b].routeName\_i[r] != -1) {                 printf(" %-4d %-23s %-26s %4.2lf %6d%%\n", i++, operators[find\_bus[b].busName\_i].name, operators[find\_bus[b].busName\_i].routes[find\_bus[b].routeName\_i[r]].routeName, (double)((find\_bus[b].stopCount[r] \* PRICE\_PER\_STOP) \* (100 - discount[find\_bus[b].busName\_i])) / 100.0, discount[find\_bus[b].busName\_i]);              }           }        }     }     printf("\n\tEnter number: ");     scanf("%d", &n);     if (n >= i || n <= 0) {        printf("\n\tInvalid input. Please Enter a valid number from table.");        getch();        goto reEnterNumber;     }     else {        i = 1;        for (b = 0; b < max\_op; b++) {           if (find\_bus[b].busName\_i != -1) {              for (r = 0; r < find\_bus[b].routeCount; r++) {                 if (find\_bus[b].routeName\_i[r] != -1 && i == n) {                    finalBook(find\_bus[b].busName\_i, find\_bus[b].routeName\_i[r], find\_bus[b].stopCount[r]);                    // printf(" %d\t%s\t\t%s\n", i, operators[find\_bus[b].busName\_i].name, operators[find\_bus[b].busName\_i].routes[find\_bus[b].routeName\_i[r]].routeName);                 }                 i++;              }           }        }     }  }  void finalBook(int operator\_i, int route\_i, int stops\_count) {     char\* seat;     char name[50], m\_number[11], fname[15], age[3], gender[6];     FILE\* rf;     time\_t t;     struct tm\* today;     char date[11];     double price = (double)((stops\_count \* PRICE\_PER\_STOP) \* (100 - discount[operator\_i])) / 100.0;     printf("\nBus Operator: %s\t Route: %s\n", operators[operator\_i].name, operators[operator\_i].routes[route\_i].routeName);     seat = seatLayout();     // printf("\n%s", seat);     printf("\n\tEnter Your name: ");     scanf("%s", name);     // printf("\n\tNote: Enter 10-digit only. Number is impotent for booking cantinotation.");     printf("\n\tEnter Mobile Number: ");     scanf("%s", m\_number);     printf("\n\tEnter Your Age: ");     scanf("%s", age);     printf("\n\tEnter Your Gender[M/F]: ");     scanf("%s", gender);     // printf("\n\tname: %s\n\tmobile number: %s", name, m\_number);     strcpy(fname, m\_number);     strcat(fname, ".txt");     time(&t);     today = localtime(&t);     strftime(date, sizeof(date), "%d/%m/%Y", today);     // printf("\n%s", fname);     rf = fopen(fname, "a");     fprintf(rf, "%s|%s|", name, m\_number); // name, mobile number     fprintf(rf, "%s|%s|", age, gender); // name, mobile number     fprintf(rf, "%s to %s|", list[from], list[to]); // bus details     fprintf(rf, "%s|%s|", operators[operator\_i].name, seat); // operator name, seat     fprintf(rf, "%.2lf|%s\n", price, date); // price, date     fclose(rf);     // textcolor(GREEN);     // cprintf("\n\tYour Bus Booking Successfully\n");     printf("\n\tYour Bus Booking Successfully.");     printf("\n\t--[record file %s.txt created.]", m\_number);     printf("\n\tFor see details go on option 2. Booking History and Enter mobile number carefully!\n");     // getch();  }  char\* seatLayout() {     int i, j, valid;     char c = 'A', seat\_s[3] = { 0 }, seat\_c[3] = { 0 };     static char seat[3] = { 0 };  reSelect:     printf("\n----------------------------------");     printf("\n\t Door     |    Driver\n");     for (i = 0; i < 9; i++) {        printf("\n\t");        for (j = 0; j < 5; j++) {           if (i == 8) {              printf(" %d%c ", i + 1, c++);              if (j == 4) {                 printf(" %d%c ", i + 1, c++);              }           }           else {              if (j == 2) { printf("    "); }              printf(" %d%c ", i + 1, c++);           }        }        printf("\n");        c = 'A';     }     printf("\n----------------------------------\n");     printf("\n\tSelect Seat (ex: 4B): ");     // flushall();     scanf("%s", seat\_s);     strcpy(seat, seat\_s);     // printf("\nseat\_s=%s", seat\_s);     // printf("\nseat=%s\n", seat);     valid = 0;     for (i = 0; i < 9; i++) {        c = 'A';        for (j = 0; j < 5; j++) {           sprintf(seat\_c, "%d%c", i + 1, c++);           if (i == 8 && j == 4) {              sprintf(seat\_c, "%d%c", i + 1, c++);           }           // printf("  %s%s", seat\_c, seat\_s);           if (strcmp(seat\_s, seat\_c) == 0) {              valid = 1;              break;           }        }        if (valid) break;     }     if (!valid) {        printf("\n\tInvalid input. Please Enter a valid seat name from Layout.");        getch();        goto reSelect;     }     return seat;  }  void display\_list() {     int i;     printf("\n");     for (i = 0;i < SIZE;i++) {        printf("\t%2d. %s", i + 1, list[i]);        if ((i + 1) % 4 == 0)           printf("\n");     }  }  void history() {     FILE\* rh;     char number[12], fname[15], line[150], \* p, info[][15] = { "Name", "Mobile number", "Journey", "Bus", "Seat", "Price", "Date", "Status" };     char\* name, \* mobile, \* age, \* gender, \* journey, \* bus, \* seat, \* price, \* date, \* status;     int detail = 0, i = 1;     printf("\n\t Enter Mobile Number: ");     scanf("%s", number);     strcpy(fname, number);     strcat(fname, ".txt");     rh = fopen(fname, "r");     if (rh == NULL) {        printf("\n\tRecord not found or number not match\n");        getch();        return;     }     printf("%-4s %-15s %-12s %-3s %-6s %-24s %-16s %-4s %-7s %-10s\n", "no", "name", "mobile", "age", "gender", "journey", "bus", "seat", "price", "date");     printf("--------------------------------------------------------------------------------------------------------------\n");     detail = 1;     while (fgets(line, sizeof(line), rh)) {        name = strtok(line, "|");        mobile = strtok(NULL, "|");        age = strtok(NULL, "|");        gender = strtok(NULL, "|");        journey = strtok(NULL, "|");        bus = strtok(NULL, "|");        seat = strtok(NULL, "|");        price = strtok(NULL, "|");        date = strtok(NULL, "|");        status = strtok(NULL, "|");        printf("%-4d %-15s %-12s %-3s %-6s %-24s %-16s %-4s %-7s %-10s", detail++, name, mobile, age, gender, journey, bus, seat, price, date);     }     // while (fgets(line, sizeof(line), rh)) {     //    detail = 0;     //    p = strtok(line, "|");     //    printf("\n%d", i++);     //    while (p != NULL && detail < 8) {     //       printf("\n\t%s: %s", info[detail], p);     //       p = strtok(NULL, "|");     //       detail++;     //    }     // }     fclose(rh);  } |

**bus\_data.txt**

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| Ashapura Bus  Ahmedabad-Khambhalia,Ahmedabad|Limbdi|Chotila|Rajkot|Dhrol|Jamnagar|Khambhalia  Rajkot-Dwarka,Rajkot|Jetpur|Junagadh|Somnath|Porbandar|Dwarka  Bhuj-Ahmedabad,Bhuj|Bhachau|Morbi|Chotila|Ahmedabad  Bhavnagar-Surat,Bhavnagar|Botad|Surendranagar|Ahmedabad|Anand|Surat  Junagadh-Dwarka,Junagadh|Dhoraji|Porbandar|Khambhalia|Dwarka  Gandhidham-Bhavnagar,Gandhidham|Bhachau|Morbi|Rajkot|Botad|Bhavnagar  Surat-Rajkot,Surat|Vadodara|Limbdi|Chotila|Rajkot  Jamnagar-Bhavnagar,Jamnagar|Khambhalia|Rajkot|Botad|Bhavnagar  Palanpur-Ahmedabad,Palanpur|Mehsana|Gandhinagar|Ahmedabad  Bhuj-Surat,Bhuj|Bhachau|Morbi|Vadodara|Surat  Deep Travels  Porbandar-Bhavnagar,Porbandar|Junagadh|Amreli|Bhavnagar  Ahmedabad-Bhuj,Ahmedabad|Rajkot|Morbi|Bhachau|Bhuj  Junagadh-Surat,Junagadh|Amreli|Vadodara|Surat  Jamnagar-Ahmedabad,Jamnagar|Dhrol|Rajkot|Limbdi|Ahmedabad  Morbi-Bhavnagar,Morbi|Botad|Bhavnagar  Bhuj-Surat,Bhuj|Bhachau|Morbi|Limbdi|Vadodara|Surat  Dwarka-Rajkot,Dwarka|Khambhalia|Jamnagar|Dhrol|Rajkot  Porbandar-Ahmedabad,Porbandar|Khambhalia|Jamnagar|Rajkot|Ahmedabad  Surendranagar-Junagadh,Surendranagar|Botad|Jetpur|Junagadh  Gandhidham-Bhavnagar,Gandhidham|Bhachau|Rajkot|Botad|Bhavnagar  Eagle Express  Ahmedabad-Bhuj,Ahmedabad|Bhachau|Bhuj  Surat-Jamnagar,Surat|Vadodara|Rajkot|Khambhalia|Jamnagar  Rajkot-Vadodara,Rajkot|Chotila|Surendranagar|Limbdi|Anand|Vadodara  Bhavnagar-Ahmedabad,Bhavnagar|Botad|Limbdi|Ahmedabad  Gandhidham-Junagadh,Gandhinagar|Ahmedabad|Chotila|Rajkot|Jetpur|Junagadh  Dwarka-Vadodara,Dwarka|Khambhalia|Rajkot|Anand|Vadodara  Junagadh-Surat,Junagadh|Jetpur|Rajkot|Ahmedabad|Anand|Surat  Gandhinagar-Palanpur,Gandhinagar|Mehsana|Palanpur  Morbi-Surat,Morbi|Rajkot|Surendranagar|Anand|Vadodara|Surat  Jamnagar-Bhavnagar,Jamnagar|Rajkot|Botad|Bhavnagar  Galaxy Travels  Ahmedabad-Jamnagar,Ahmedabad|Rajkot|Dhrol|Jamnagar  Rajkot-Somnath,Rajkot|Jetpur|Junagadh|Somnath  Bhuj-Surat,Bhuj|Anjar|Bhachau|Morbi|Limbdi|Surat  Vadodara-Dwarka,Vadodara|Anand|Rajkot|Khambhalia|Dwarka  Surat-Bhavnagar,Surat|Vadodara|Anand|Botad|Bhavnagar  Morbi-Junagadh,Morbi|Rajkot|Jetpur|Junagadh  Bhavnagar-Jamnagar,Bhavnagar|Botad|Rajkot|Jamnagar  Junagadh-Palanpur,Junagadh|Jetpur|Rajkot|Ahmedabad|Mehsana|Palanpur  Surendranagar-Bhuj,Surendranagar|Chotila|Morbi|Bhachau|Bhuj  Gandhidham-Vadodara,Gandhidham|Bhachau|Morbi|Anand|Vadodara  G.S.R.T.C.  Gandhinagar-Bhavnagar,Gandhinagar|Ahmedabad|Surendranagar|Botad|Bhavnagar  Rajkot-Surat,Rajkot|Chotila|Surendranagar|Vadodara|Surat  Bhuj-Vadodara,Bhuj|Bhachau|Morbi|Anand|Vadodara  Junagadh-Ahmedabad,Junagadh|Jetpur|Rajkot|Ahmedabad  Bhuj-Dwarka,Bhuj|Morbi|Rajkot|Dhrol|Jamnagar|Khambhalia|Dwarka  Surat-Bhuj,Surat|Vadodara|Ahmedabad|Morbi|Bhachau|Bhuj  Vadodara-Somnath,Vadodara|Anand|Rajkot|Junagadh|Somnath  Palanpur-Surat,Palanpur|Mehsana|Ahmedabad|Anand|Vadodara|Surat  Morbi-Bhavnagar,Morbi|Rajkot|Chotila|Limbdi|Botad|Bhavnagar  Dwarka-Junagadh,Dwarka|Khambhalia|Jamnagar|Dhrol|Rajkot|Junagadh  Patel Travels  Gandhinagar-Porbandar,Gandhinagar|Ahmedabad|Rajkot|Dhrol|Jamnagar|Junagadh|Porbandar  Surat-Bhuj,Surat|Vadodara|Rajkot|Morbi|Gandhidham|Bhuj  Rajkot-Vadodara,Rajkot|Chotila|Limbdi|Anand|Vadodara  Bhavnagar-Ahmedabad,Bhavnagar|Botad|Surendranagar|Limbdi|Ahmedabad  Junagadh-Morbi,Junagadh|Jetpur|Rajkot|Morbi  Vadodara-Somnath,Vadodara|Anand|Rajkot|Junagadh|Somnath  Bhuj-Rajkot,Bhuj|Anjar|Bhachau|Morbi|Rajkot  Dwarka-Surat,Dwarka|Khambhalia|Jamnagar|Rajkot|Vadodara|Surat  Gandhidham-Ahmedabad,Gandhidham|Bhachau|Surendranagar|Ahmedabad  Palanpur-Bhavnagar,Palanpur|Gandhinagar|Limbdi|Botad|Bhavnagar  Dwarkadhish Bus  Rajkot-Surat,Rajkot|Chotila|Limbdi|Vadodara|Surat  Ahmedabad-Somnath,Ahmedabad|Rajkot|Junagadh|Somnath  Dwarka-Gandhinagar,Dwarka|Porbandar|Junagadh|Jetpur|Rajkot|Ahmedabad|Gandhinagar  Bhuj-Ahmedabad,Bhuj|Bhachau|Ahmedabad  Dwarka-Bhavnagar,Dwarka|Khambhalia|Junagadh|Amreli|Botad|Bhavnagar  Junagadh-Bhuj,Junagadh|Jetpur|Rajkot|Bhachau|Bhuj  Morbi-Dwarka,Morbi|Rajkot|Khambhalia|Dwarka  Vadodara-Rajkot,Vadodara|Anand|Limbdi|Chotila|Rajkot  Dwarka-Ahmedabad,Dwarka|Khambhalia|Jamnagar|Rajkot|Surendranagar|Ahmedabad  Palanpur-Dwarka,Palanpur|Gandhinagar|Ahmedabad|Rajkot|Jamnagar|Khambhalia|Dwarka  Nand Travels  Ahmedabad-Bhuj,Ahmedabad|Chotila|Morbi|Anjar|Bhuj  Rajkot-Surat,Rajkot|Chotila|Ahmedabad|Vadodara|Surat  Vadodara-Somnath,Vadodara|Ahmedabad|Rajkot|Junagadh|Somnath  Surat-Jamnagar,Surat|Vadodara|Ahmedabad|Rajkot|Jamnagar  Junagadh-Bhavnagar,Junagadh|Jetpur|Amreli|Botad|Bhavnagar  Bhuj-Vadodara,Bhuj|Anjar|Bhachau|Morbi|Anand|Vadodara  Dwarka-Surat,Dwarka|Khambhalia|Jamnagar|Rajkot|Ahmedabad|Gandhinagar|Surat  Gandhidham-Ahmedabad,Gandhidham|Bhachau|Surendranagar|Ahmedabad  Bhavnagar-Rajkot,Bhavnagar|Amreli|Rajkot  Palanpur-Porbandar,Palanpur|Mehsana|Ahmedabad|Rajkot|Jetpur|Junagadh|Porbandar |

**OUTPUT:-**

============= Bus Booking System =============

1. Advance Booking

2. Booking History

3. View Available Bus

0. Exit Program

Enter number from menu: 3

Operator-1: Ashapura Bus

Route-1: Ahmedabad-Khambhalia Route-2: Rajkot-Dwarka

Route-3: Bhuj-Ahmedabad Route-4: Bhavnagar-Surat

Route-5: Junagadh-Dwarka Route-6: Gandhidham-Bhavnagar

Route-7: Surat-Rajkot Route-8: Jamnagar-Bhavnagar

Route-9: Palanpur-Ahmedabad Route-10: Bhuj-Surat

Operator-2: Deep Travels

Route-1: Porbandar-Bhavnagar Route-2: Ahmedabad-Bhuj

Route-3: Junagadh-Surat Route-4: Jamnagar-Ahmedabad

Route-5: Morbi-Bhavnagar Route-6: Bhuj-Surat

Route-7: Dwarka-Rajkot Route-8: Porbandar-Ahmedabad

Route-9: Surendranagar-Junagadh Route-10: Gandhidham-Bhavnagar

Operator-3: Eagle Express

Route-1: Ahmedabad-Bhuj Route-2: Surat-Jamnagar

Route-3: Rajkot-Vadodara Route-4: Bhavnagar-Ahmedabad

Route-5: Gandhidham-Junagadh Route-6: Dwarka-Vadodara

Route-7: Junagadh-Surat Route-8: Gandhinagar-Palanpur

Route-9: Morbi-Surat Route-10: Jamnagar-Bhavnagar

Operator-4: Galaxy Travels

Route-1: Ahmedabad-Jamnagar Route-2: Rajkot-Somnath

Route-3: Bhuj-Surat Route-4: Vadodara-Dwarka

Route-5: Surat-Bhavnagar Route-6: Morbi-Junagadh

Route-7: Bhavnagar-Jamnagar Route-8: Junagadh-Palanpur

Route-9: Surendranagar-Bhuj Route-10: Gandhidham-Vadodara

Operator-5: G.S.R.T.C.

Route-1: Gandhinagar-Bhavnagar Route-2: Rajkot-Surat

Route-3: Bhuj-Vadodara Route-4: Junagadh-Ahmedabad

Route-5: Bhuj-Dwarka Route-6: Surat-Bhuj

Route-7: Vadodara-Somnath Route-8: Palanpur-Surat

Route-9: Morbi-Bhavnagar Route-10: Dwarka-Junagadh

Operator-6: Patel Travels

Route-1: Gandhinagar-Porbandar Route-2: Surat-Bhuj

Route-3: Rajkot-Vadodara Route-4: Bhavnagar-Ahmedabad

Route-5: Junagadh-Morbi Route-6: Vadodara-Somnath

Route-7: Bhuj-Rajkot Route-8: Dwarka-Surat

Route-9: Gandhidham-Ahmedabad Route-10: Palanpur-Bhavnagar

Operator-7: Dwarkadhish Bus

Route-1: Rajkot-Surat Route-2: Ahmedabad-Somnath

Route-3: Dwarka-Gandhinagar Route-4: Bhuj-Ahmedabad

Route-5: Dwarka-Bhavnagar Route-6: Junagadh-Bhuj

Route-7: Morbi-Dwarka Route-8: Vadodara-Rajkot

Route-9: Dwarka-Ahmedabad Route-10: Palanpur-Dwarka

Operator-8: Nand Travels

Route-1: Ahmedabad-Bhuj Route-2: Rajkot-Surat

Route-3: Vadodara-Somnath Route-4: Surat-Jamnagar

Route-5: Junagadh-Bhavnagar Route-6: Bhuj-Vadodara

Route-7: Dwarka-Surat Route-8: Gandhidham-Ahmedabad

Route-9: Bhavnagar-Rajkot Route-10: Palanpur-Porbandar

============= Bus Booking System =============

1. Advance Booking

2. Booking History

3. View Available Bus

0. Exit Program

Enter number from menu: 1

1. Ahmedabad 2. Amreli 3. Anjar 4. Anand

5. Bhavnagar 6. Botad 7. Bhuj 8. Dwarka

9. Chotila 10. Bhachau 11. Dhrol 12. Dhoraji

13. Gandhinagar 14. Gandhidham 15. Jamnagar 16. Junagadh

17. Jetpur 18. Khambhalia 19. Limbdi 20. Mehsana

21. Morbi 22. Porbandar 23. Palanpur 24. Rajkot

25. Somnath 26. Surat 27. Vadodara 28. Surendranagar

From: 1

To: 26

Ahmedabad To Surat

No. Bus Operator Name Bus Route Price Discount

---------------------------------------------------------------------------

1 Ashapura Bus Bhavnagar-Surat 216.00 10%

2 Eagle Express Junagadh-Surat 235.20 2%

3 G.S.R.T.C. Palanpur-Surat 252.00 30%

4 Nand Travels Rajkot-Surat 220.80 8%

5 Nand Travels Dwarka-Surat 220.80 8%

Enter number: 5

Bus Operator: Nand Travels Route: Dwarka-Surat

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Door | Driver

1A 1B 1C 1D 1E

2A 2B 2C 2D 2E

3A 3B 3C 3D 3E

4A 4B 4C 4D 4E

5A 5B 5C 5D 5E

6A 6B 6C 6D 6E

7A 7B 7C 7D 7E

8A 8B 8C 8D 8E

9A 9B 9C 9D 9E 9F

----------------------------------

Select Seat (ex: 4B): 2E

Enter Your name: Vishal

Enter Mobile Number: 1234567890

Enter Your Age: 23

Enter Your Gender[M/F]: M

Your Bus Booking Successfully.

--[record file 1234567890.txt created.]

For see details go on option 2. Booking History and Enter mobile number carefully!

============= Bus Booking System =============

1. Advance Booking

2. Booking History

3. View Available Bus

0. Exit Program

Enter number from menu: 2

Enter Mobile Number: 1234567890

no name mobile age gender journey bus seat price date

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1 Vishal 1234567890 23 M Ahmedabad to Surat Nand Travels 2E 220.80 03/10/2025

============= Bus Booking System =============

1. Advance Booking

2. Booking History

3. View Available Bus

0. Exit Program

Enter number from menu: 0

GitHub Link: <https://github.com/VishalChudasama08/MCA_Projects/tree/main/Bus_Booking_System_In_C_Language>

Run In VS Code OR Direct Run .exe File For Batter Formatted Output

Thank You