



Bus reservation system
BSAI(1A) Project

Submitted To
Mam Umme Kulsoom

Submitted By
Muhammad Taqui
(01-136221-021)
Abdul-Basit
(01-136221-049)

Welcome Note:

Welcome to savior travels online systems.

Select Cities:

"Press a for Faisalabad"
"Press b for Multan"
"Press c for Lahore"
"Press d for Karachi"
"Press e for Attock"

Details:

Bus

Driver

Distance

Rent

Luggage:

"How much luggage are you carrying"
"Kindly answer in kilograms"
if (luggage <= 5)
"It is free"
else
"You have to pay 200 more"

Kids:

"How many kids do you have"
switch (kids)
"One kid is free";
otherwise
"You'll be charged 200 per kid"

Refreshment:

```
"Do you want refreshment"  
    "Enter Y or N"  
        If yes  
            "You have to pay 150 more"
```

Confirmation:

```
"Kindly confirm your ticket"  
"Press Y for Yes or N for no"  
    if (confirm = 'Y')  
        "Thanks for choosing Us"  
        << "Enjoy your travel";  
    else  
        cout << "Sorry for inconvenience";
```

Code:

```
#include<iostream>  
using namespace std;  
int main() {  
    char ch; int bus, rent;  
    cout << "Welcome to Saviour Travels online system" << endl;  
    cout << "To reserve your ticket kindly enter required details" << endl;  
    // To select cities //  
    // To select class//  
    cout << "Press a for Faisalabad" << endl;  
    cout << "Press b for Multan" << endl;  
    cout << "Press c for Lahore" << endl;  
    cout << "Press d for Karachi" << endl;  
    cout << "Press e for Attock" << endl;  
    cin >> ch;  
    switch (ch) {  
        //Islamabad to Faisalabad//  
        case 'a':  
            cout << "You have selected Faisalabad" << endl;  
            cout << "Your total distance is 370km" << endl;  
            cout << "Kindly select from available buses" << endl;  
            cout << "Press 1 for Luxury Basit Movers" << endl;  
            cout << "Press 2 for Economy Talha Tayyara" << endl;  
            cin >> bus;  
            switch (bus) {  
                case 1:
```

```

        {cout << "Your driver name is Muhammad Talha" << endl;
        cout << "Your rent is 2000" << endl;
        rent = 2000;
        break;
    }
    case 2:
    {cout << "Your driver name is Muhammad Waleed" << endl;
    cout << "Your rent is 1500" << endl;
    rent = 1500;
    break;
    }
    }
    break;
    //Islamabad to Multan//
case 'b':
    cout << "You have selected Multan" << endl;
    cout << "Your total distance is 470km" << endl;
    cout << "Kindly select from available buses" << endl;
    cout << "Press 1 for Luxury Fahad Movers" << endl;
    cout << "Press 2 for Economy Butt Tayyara" << endl;
    cin >> bus;
    switch (bus) {
    case 1:
    {cout << "Your driver name is Muhammad Haris" << endl;
    cout << "Your rent is 2500" << endl;
    rent = 2500;
    break;
    }
    case 2:
    {cout << "Your driver name is Muhammad Ramzan" << endl;
    cout << "Your rent is 1700" << endl;
    rent = 1700;
    break;
    }
    }
    break;
    // Islamabad to Lahore//
case 'c':
    cout << "You have selected Lahore" << endl;
    cout << "Your total distance is 290km" << endl;
    cout << "Kindly select from available buses" << endl;
    cout << "Press 1 for Luxury Lahore Movers" << endl;
    cout << "Press 2 for Economy Cheema Tayyara" << endl;
    cin >> bus;
    cout << endl;
    switch (bus) {
    case 1:
    {cout << "Your driver name is Muhammad Akhtar" << endl;
    cout << "Your rent is 2600" << endl;
    rent = 2600;
    break;
    }
    case 2:
    {cout << "Your driver name is Muhammad Saim" << endl;
    cout << "Your rent is 1800" << endl;
    rent = 1800;
    break;
    }
    }
}

```

```

    }
    break;
    //Islamabad to Karachi//
case 'd':
    cout << "You have selected Karachi" << endl;
    cout << "Your total distance is 1384km" << endl;
    cout << "Kindly select from available buses" << endl;
    cout << "Press 1 for Luxury Altaf Movers" << endl;
    cout << "Press 2 for Economy Liari Tayyara" << endl;
    cin >> bus;
    switch (bus) {
    case 1:
    {cout << "Your driver name is Farnood Alam" << endl;
    cout << "Your rent is 10000" << endl;
    rent = 10000;
    break;
    }
    case 2:
    {cout << "Your driver name is Zaid Billa" << endl;
    cout << "Your rent is 7300" << endl;
    rent = 7300;
    break;
    }
    }
    break;
    //Islamabad to Attock//
case 'e':
    cout << "You have selected Attock" << endl;
    cout << "Your total distance is 103km" << endl;
    cout << "Kindly select from available buses" << endl;
    cout << "Press 1 for Luxury Attock Movers" << endl;
    cout << "Press 2 for Economy Attock Tayyara" << endl;
    cin >> bus;
    switch (bus) {
    case 1:
    {cout << "Your driver name is Alam Khan" << endl;
    cout << "Your rent is 1000" << endl;
    rent = 1000;
    break;
    }
    case 2:
    {cout << "Your driver name is Zaid Hamid" << endl;
    cout << "Your rent is 730" << endl;
    rent = 730;
    break;
    }
    }
}
//Kids Info//
int Ans;
cout << "You have any kids" << endl;
cout << "If yes press 1" << endl;
cout << "If no press 0" << endl;
cin >> Ans; {
    if (Ans == 1) {
        int kids;
        cout << "How many kids you have" << endl;
        cin >> kids;
    }
}

```

```

        switch (kids) {
        case 1:
            cout << "One kid is free";
            break;
        default:
            cout << "You'll be charged 200 more per kid" << endl;
            rent = rent + (200 * kids);
        }
    }
    else if (Ans == 0) {
        cout << "Okay" << endl;
    }
    else {
        cout << "Invalid command" << endl;
    }
}
//Luggage Info//
int luggage;
cout << "How many luggage are you carrying" << endl;
cout << "Kindly answer in kilograms" << endl;
cin >> luggage;
if (luggage <= 5) {
    cout << "It is free" << endl;
}
else {
    cout << "You have to pay 20 more per kg" << endl;
    rent = rent + (20 * luggage);
}
//Refreshment Info//
char ref;
cout << "Do you want refreshment" << endl;
cout << "Enter Y or N" << endl;
cin >> ref;
switch (ref) {
case 'Y':
    {cout << "You have to pay 150 more" << endl;
    rent = rent + 150;
    break;
    }
break;
default:
    {cout << "Okay" << endl; }
}
//Rent//
int confirm;
cout << "Your total Rent is =" << rent << endl;
//confirmation//
cout << "Kindly confirm your ticket" << endl;
cout << "Press Y for Yes or N for no" << endl;
cin >> confirm;
if (confirm == 'Y') {
    cout << "Thanks for choosing Us" << endl;
    cout << "Enjoy your travel";
}
else {
    cout << "Sorry for inconvenience";
}
}

```

```

return 0;
}

```

Outputs:





