## **CAR RENTING ACCESS CODE**

```
#include <iostream>
#include <fstream>
#include <conio.h>
#include <stdlib.h>
#include <unistd.h>
#include <dos.h>
#include <iomanip>
//Brought To You by code-projects.org
// included required library files
using namespace std;
class customer // customer class
{
       private:
       public:
       string customername;
  string carmodel;
  string carnumber;
  char data;
  // variables defined in this class in public mode.
};
class rent: public customer // inhereted class from customer class
{
       public:
       int days=0,rentalfee=0; // additional int vatiables defined
       void data()
       {
               int login();
       login();
       cout << "\t\t\tPlease Enter your Name: "; //taking data from the user
  cin >> customername;
  cout<<endl;
  do
     cout <<"\t\t\tPlease Select a Car"<<endl; //giving user a choice to select among three
different models
     cout<<"\t\t\tEnter 'A' for Toyota Vios"<<endl;
     cout<<"\t\t\tEnter 'B' for Hyundai 2015."<<endl;
     cout<<"\t\t\tEnter 'C' for Ford 2017."<<endl;
     cout<<endl:
     cout<<"\t\t\tChoose a Car from the above options: ";</pre>
     cin >>carmodel;
     cout<<endl:
```

```
if(carmodel=="A")
{
       system("CLS");
               cout<<"You have choosed Toyota Vios"<<endl;
               ifstream inA("A.txt"); //displaying details of model A
     char str[200];
     while(inA) {
     inA.getline(str, 200);
     if(inA) cout << str << endl;
}
sleep(2);
 }
 if(carmodel=="B")
 {
       system("CLS");
               cout<<"You have choosed Hyundai model 2015"<<endl;
               ifstream inB("B.txt"); //displaying details of model B
     char str[200];
     while(inB) {
     inB.getline(str, 200);
     if(inB) cout << str << endl;
  sleep(2);
}
if(carmodel=="C")
{
       system("CLS");
          cout<<"You have choosed Ford model 2017"<<endl;
               ifstream inC("C.txt"); //displaying details of model C
     char str[200];
     while(inC) {
     inC.getline(str, 200);
     if(inC) cout << str << endl;
  }
   sleep(2);
if(carmodel !="A" && carmodel !="B" && carmodel !="C")
   cout<<"Invaild Car Model. Please try again!"<<endl;
    }
while(carmodel !="A" && carmodel !="B" && carmodel !="C" );
  cout << "Please provide following information: "<<endl;</pre>
       //getting data from user related to rental service
```

```
cout<<"Please select a Car No. : ";
  cin >> carnumber;
  cout<<"Number of days you wish to rent the car: ";
  cin >> days;
  cout<<endl;
      void calculate()
      {
             sleep(1);
             system ("CLS");
             cout<<"Calculating rent. Please wait....."<<endl;
             if(carmodel == "A"||carmodel=="a")
    rentalfee=days*56;
    if(carmodel == "B" ||carmodel=="b")
    rentalfee=days*60;
    if(carmodel == "C" ||carmodel=="c")
    rentalfee=days*75;
void showrent()
  cout << "\n\t\t
                           Car Rental - Customer Invoice
                                                                  "<<endl;
  cout << "\t\t //////"<<endl;
  cout << "\t\t | Invoice No.:"<<"------|"<<setw(10)<<"#Cnb81353"<<" |"<<endl;
  cout << "\t\t | Customer Name:"<<"------|"<<setw(10)<<customername<<"
|"<<endl;
  cout << "\t\t | Car Model :"<<"------|"<<setw(10)<<carmodel<<" |"<<endl;
  cout << "\t\t | Car No. :"<<"------|"<<setw(10)<<carnumber<<" |"<<endl;
  cout << "\t\t | Number of days :"<<"-----|"<<setw(10)<<days<<" |"<<endl;
  cout << "\t\t | Your Rental Amount is :"<<"-----|"<<setw(10)<<rentalfee<<" |"<<endl;
  cout << "\t\t | Caution Money :"<<"-----|"<<setw(10)<<"0"<<" |"<<endl;
  cout << "\t\t | Advanced :"<<"-----|"<<setw(10)<<"0"<<" |"<<endl;
  cout << "\t\t
                                                                 "<<endl:
  cout <<"\n";
  cout << "\t\t | Total Rental Amount is :"<<"-----|"<<setw(10)<<rentalfee<<" |"<<endl;
  cout << "\t\t
                                                                "<<endl;
  cout << "\t\t # This is a computer generated invoce and it does not"<<endl;
  cout << "\t\t require an authorised signture #"<<endl;</pre>
  cout <<" "<<endl;
  cout << "\t\t ///////"<<endl;
  cout << "\t\t You are advised to pay up the amount before due date."<<endl;
  cout << "\t\t Otherwise penelty fee will be applied"<<endl;
  cout << "\t\t ///////"<<endl;
  int f:
  system("PAUSE");
```

```
system ("CLS");
   ifstream inf("thanks.txt");
 char str[300];
 while(inf) {
  inf.getline(str, 300);
  if(inf) cout << str << endl;
 inf.close();
       }
};
class welcome //welcome class
{
       public:
       int welcum()
ifstream in("welcome.txt"); //displaying welcome ASCII image text on output screen fn1353
 if(!in) {
  cout << "Cannot open input file.\n";
 }
 char str[1000];
 while(in) {
  in.getline(str, 1000); // delim defaults to '\n' cp
  if(in) cout << str << endl;
 }
 in.close();
 sleep(1);
 cout<<"\nStarting the program please wait....."<<endl;</pre>
 sleep(1);
 cout<<"\nloading up files....."<<endl;
 sleep(1); //function which waits for (n) seconds
 system ("CLS"); //cleares screen
}
};
int main()
welcome obj1; //object created for welcome class
obj1.welcum(); //welcum function is called
rent obj2;
//object created for rent class and further member functions are called
obj2.data();
obj2.calculate();
obj2.showrent();
```

```
return 0; //end of the program
}
int login(){
 string pass ="";
 char ch;
 cout<<"\n\n\n\n\n\n\n\t\t\t\t\ CAR RENTAL SYSTEM \n\n";
 cout<<"\t\t\t\t\t----;
 cout << "\n\t\t\t\t LOGIN \n";
 cout<<"\t\t\t\t\----\n\n";
 cout << "\t\t\t\tEnter Password: ";</pre>
 ch = _getch();
 while(ch != 13){//character 13 is enter
   pass.push_back(ch);
   cout << '*';
   ch = getch();
 if(pass == "pass"){
   cout << "\n\n\t\t\t\t\t\tAccess Granted! \n";</pre>
   system("PAUSE");
   system ("CLS");
 }else{
   system("PAUSE");
   system("CLS");
   login();
 }
}
```