PARKING MANAGEMNT SYSTEM

```cpp
// project: PARKING MANAGEMENT SYSTEM

#include<iostream>

#include<cstdlib>

#include<conio.h>

using namespace std;


 int menu();

 void bus();

 void car();

 void twoWheeler();

 void autoRikshaw();

 void showDetails();

 void deleteValue();


 int noOfBuses=0, noOfCars=0, noOfTwoWheelers=0, noOfAutoRikshaws=0;

 int amount=0;

 int count=0;



 int main() {

  int num;

        do{

                system("CLS");

                switch(menu()){

                case 1:
```

```cpp
                bus();
                break;
        case 2:
                car();
                break;


        case 3:
                twoWheeler();
                break;
        case 4:
                autoRikshaw();
                break;
        case 5:
                showDetails();
                break;
        case 6:
                deleteValue();
                break;
        default:
        cout<<"Dear sir,you entered a invalid number,please enter numbers from 1 to 6."<<endl;
    }
        cout<<"Enter 0 to again add the no.of vehicles (or) Enter any number for exit from the program"<<endl;
        cout<<"Enter your choice:";
        cin>>num;
 }
    while(num==0);
```

```cpp
        cout<<endl<<"*****Thank you. Please visit agian*****"<<endl;    // This line
exicuted,when user enter any other number other than 0.
  getch();
   return num;
  }


  void bus(){
        noOfBuses++;

        amount += 100;

        count++;
  }


  void car(){
        noOfCars++;

        amount += 60;

        count++;
  }


  void twoWheeler(){
        noOfTwoWheelers++;

        amount += 20;

        count++;
  }


  void autoRikshaw(){
        noOfAutoRikshaws++;

        amount += 40;
```

```cpp
        count++;

    }


int menu(){
    int value;
        cout<<"*************************************************************
***********"<<endl;
        cout<<"                        WELCOME                        "<<endl;
        cout<<"==========================PARKING MANAGEMNT
SYSTEM=========================="<<endl;
        cout<<"press 1 for enter no of BUSES (charge 100 rupees for each bus)"<<endl;
        cout<<"press 2 for enter no of CARS (charge 60 rupees for each car)"<<endl;
        cout<<"press 3 for enter no of TWO WHEELERS (charge 20 rupees for each two
wheeler)"<<endl;
        cout<<"press 4 for enter no of AUTO RIKSHAWS (charge 40 rupees foe each auto
riksha)"<<endl;
        cout<<"press 5 to see the data of total no.of vehicles in parking area."<<endl;
        cout<<"press 6 for delete the total vehicle information."<<endl;


        cout<<"*************************************************************
***********"<<endl;
        cout<<"Plaese enter your choice:";
    cin>>value;
    return value;
    }


void showDetails(){
        cout<<"*********************************************"<<endl;
        cout<<"Total no.of BUSES in parking area="<<noOfBuses<<endl;
```

```cpp
        cout<<"Total no.of CARS in parking area="<<noOfCars<<endl;

        cout<<"Total no.of TWO WHEELERS in parking area="<<noOfTwoWheelers<<endl;

        cout<<"Total no.of AUTO RIKSHAWS in parking area="<<noOfAutoRikshaws<<endl;

        cout<<"Total no.of Vehicles in parking area="<<count<<endl;

        cout<<"Total amount collection for parked vehicles="<<amount<<endl;

        cout<<"**********************************************"<<endl;


}
void deleteValue(){

        noOfBuses=0;

        noOfCars=0;

        noOfTwoWheelers=0;

         noOfAutoRikshaws=0;

        amount=0;

        count=0;

}
```