```cpp
#include<iostream>
using namespace std;

int count(int &cash,int &fee, int &reciept, int &totalvehicles)
{
        cash=cash+fee;
        reciept=reciept+1;
        totalvehicles=totalvehicles+1;

        return 0;
}

int entry(int &amount,int &fee, int &weight, int &exchange)
{   cout<<"Deposit the due amount"<<endl;
        cin>>amount;

                        while(amount<fee)

                {
                        cout<<"Enter amount again(must be more than "<<fee<<" )"<<endl;
                             cout<<"Deposit the amount: "<<endl;
                        cin>>amount;
                }

                        cout<<"Enter weight of vehicle: "<<endl;
                        cin>>weight;
                        system("CLS");   //System CLS command used
                        if(weight>100)
                        {
                                fee=fee*2;
                                cout<<"Double Fee will be charged for having over-weight!"<<endl;
                        }
                                        exchange=amount-fee;
                        cout<<"Money TO be returned to customer: "<<exchange<<endl;
                        cout<<"------------------------------------------------"<<endl;
                        cout<<endl;
                        return 0;
}


int main()
{

char n, stats;
int Truck=0, Bus=0, Motorbike=0, GovernmentCar=0, Van=0, Car=0;
system("color f1");
{
std::cout<<"       ********  **    *    *        *****   **     **  ********  *   *"<<std::endl;
        cout<<"         **     *  *   *   *        *    *  *  *   * *   **    *   *"<<std::endl;
        cout<<"         **     *  *   *   *        *****   *  *   * *   **    *****"<<std::endl;
        cout<<"         **     *  *   *   *        *    *  *  *   * *   **    *   *"<<std::endl;
        cout<<"         **     **  ***** *****     *****   **     **    **    *   *"<<std::endl;

}
char a;
while(a!='N')

{
        cout<<"Enter: "<<endl;
        cout<<" Y for running Program."<<endl;
        cout<<" N for ending Program."<<endl;
    cin>>a;
    switch(a)
    case'Y':
{

cout<<"Please choose: "<<endl;
cout<<"1  For Starting Program."<<endl;
cout<<"2  For Program info. "<<endl;
cin>>n;
switch(n)
{
case'1':
{
system("CLS");
int i=1,weight, cash=0, reciept=0, totalvehicles=0, Exchange, Amount;
char vehicle ;    //==weight in Kg's
while(vehicle!='O'&&vehicle!='o')
{
        cout<<"Enter the type of vehicle "<<endl;
        cout<<"1- T for Truck"<<endl;
        cout<<"2- B for Bus"<<endl;
        cout<<"3- C for car"<<endl;
        cout<<"4- G for Government vehicles"<<endl;
        cout<<"5- V for Van"<<endl;
        cout<<"6- M for MOtorbike"<<endl;
        cout<<"7- Enter O for ending program"<<endl;
        cin>>vehicle;
        if(vehicle=='T'||vehicle=='B'||vehicle=='C'||vehicle=='V'||vehicle=='M'||vehicle=='G')

                if(vehicle=='T')
                        {
                                system("color 5E");
                                int fee=50;
                            entry(Amount,fee,weight,Exchange);
                            count(cash,fee,reciept,totalvehicles);                          //using function
                                Truck=Truck+1;
        }
                else if(vehicle=='C')

                {       int fee=20;
                        system("color 3F");
                            entry(Amount,fee,weight,Exchange);
                            count(cash,fee,reciept,totalvehicles);                 //using function
                                Car=Car+1;
                }

                else if(vehicle=='M')
                {       int fee=10;
                        system("color 3B");
                         entry(Amount,fee,weight,Exchange);
                         count(cash,fee,reciept,totalvehicles);                    //using function
                            Motorbike=Motorbike+1;
                }

                else if(vehicle=='B')
                {       int fee=40;
                        system("color 5B");
                            entry(Amount,fee,weight,Exchange);
                            count(cash,fee,reciept,totalvehicles);                  //using function
                            Bus=Bus+1;
                        }

                else if(vehicle=='V')
                {       int fee=30;
                        system("color 8C");
                            entry(Amount,fee,weight,Exchange);
                            count(cash,fee,reciept,totalvehicles);              //using functions
                            Van=Van+1;
                        }

                else if(vehicle=='G')
                { system("color 4C");
                 std::cout<<"Government car...no collection of cash"<<std::endl;
                        totalvehicles=totalvehicles+1;
                        cash=cash;
                        reciept=reciept;
                GovernmentCar=GovernmentCar+1;
                }

                else if(vehicle=='O')
                        { system("color 35");
                            std::cout<<"Program will close now"<<std::endl;
                                i=-1;
                        }

                else
                { cout<<"Invalid Entry"<<endl;
                cout<<"Enter the vehicle type  again: "<<endl;

        }
}
        system("color 1c");
        std::cout<<"Total Cash Earned Today: "<<cash<<std::endl;
        cout<<"Total Vehicles passed today: "<<totalvehicles<<endl;
        cout<<"Reciepts sold today: "<<reciept<<endl;

        while (stats!='E')
        {
        cout<<"Enter S for Detailed vehicle stats. Or press E key to end program."<<endl;
        cin>>stats;
        system("CLS");
        switch(stats)
        {

        case'S':
        {
                cout<<"Trucks Passed today            : "<<Truck<<endl;
                cout<<"Busses Passed today            : "<<Bus<<endl;
                cout<<"Vans passed today          : "<<Van<<endl;
                cout<<"Cars passed today          : "<<Car<<endl;
                cout<<"Motorbikes passed today       : "<<Motorbike<<endl;
                cout<<"Government Cars passed today : "<<GovernmentCar<<endl;
        break;
        }
        default :
                {
                        cout<<"enter valid entry."<<endl;
                }
}
}
}  break;
case'2':
        {
                cout<<"Program is about Toll Booth."<<endl;
                cout<<"It was made by M USAMA ASIF(1444)."<<endl;
                cout<<"-------------------------------------------------------------------------"<<endl;
                cout<<"Features of this program:"<<endl;
                cout<<"1-  Total cash earned in a day."<<endl;
        cout<<"2-  Total No. of vehicles passed."<<endl;
        cout<<"3-  Respective fee of each type of vehicle."<<endl;
        cout<<"4-  Reciept number."<<endl;
        cout<<"5-  Government vehicles."<<endl;
        cout<<"6-  weight of vehicle(if more than 100,,,double cash should be paid by the customer).."<<endl;
        cout<<"7-  Background and Text color."<<endl;
        cout<<"8-  Count of each type of vehicle."<<endl;

        }
}  break;

    case'N':
        {
                cout<<"Take Care. Program has ended.";
        }
        break;
        default:
                {
                        cout<<"Enter valid command."<<endl;
                }
}
}
return 0;
}
```