**Object:**

Create a class tollbooth. The two data items are a type int to hold the total number

of cars and a type double to hold the total amount of money collected. A

constructor initializes both these to 0. A member function called payingCar( )

increments the car total and adds 0.50 to the cash total. Another member function

displays the two totals

**Source code:**

#include<iostream>

using namespace std;

class tollbooth

{

private: int noOfCars;

int totalMoney;

public:

tollbooth()

{

noOfCars = 1;

totalMoney = 10;

}

void payingcar()

{

noOfCars++;

totalMoney += 10;

}

void nopayingcar()

{

noOfCars++;

}

void display()

{

int option;

cout << "1. Paying car" << endl << "2. Non Paying car" << endl << "3. total money" << endl;

cin >> option;

switch (option)

{

case 1:

cout << "the number of paying car are: " << (totalMoney / 10) << endl;

break;

case 2:

cout << "the number of non paying cars are: " << noOfCars - (totalMoney / 10) << endl;

break;

case 3:

cout << "total money: " << totalMoney << endl;

break;

default:

break;

}

}

};

int main()

{

tollbooth cars;

int check;

cout << "1. Paying car" << endl << "2. non paying car" <<endl<<"3. display"<<endl<<"4. exit"<< endl;

cin >> check;

while (check != 4)

{

cin >> check;

switch (check)

{

case 1:

cars.payingcar();

break;

case 2:

cars.nopayingcar();

break;

case 3:

cars.display();

break;

default:

break;

}

}

}

**Output:**

