



CS201 SOLVED ASSIGNMENT ENJOY

```
#include<iostream.h>
main(){
// declaring variables to save data in the programe
int volType, amountOfFine, noOfDays;
char choice;

// Taking input from the user
a: cout<<"*****CHALLAN CALCULCULATION FOR TRAFFIC VOILATION
***** ";
cout<<"{Enter '1' for breaking traffic signal"<<endl;
cout<<"Enter '2' for over speeding"<<endl;
cout<<"Enter '3' for not wearing seat belt }"<<endl;
cout<<"Please Enter the Voilation Type (1,2 or 3) : ";
cin>>volType;

// cheking the validity of the input givn by the user
if(volType>3||volType<1)
{
cout<<volType<<" Is an Invalid Choice Please Enter a valid type of traffic
violation : ";
goto a; }
if(volType==1)
{
amountOfFine=500;
}else if(volType==2)
{
amountOfFine=300;
}else if(volType==3)
{
amountOfFine=200;
}

// taking input from user
cout<<"Please Enter the No. Of Days till Challan : ";
cin>>noOfDays;
// After Calculating the Amount of fine giving feed back to the User
if(noOfDays<=10)
{
cout<<"The Total Amount of Challan ="<< amountOfFine<<endl;
}else if(noOfDays>10&&noOfDays<=30)
{
```

```
cout<<"The Total Amount of Challan ="<<
amountOfFine+amountOfFine<<endl;
} else if(noOfDays>30)
{
cout<<"The Total Amount of Challan ="<<
amountOfFine+amountOfFine+amountOfFine/2<<endl;
}
cout<<"\n Do you want to mak another calculation! Press Y for yes and
press N for No"<<endl;
cin>>choice;
// Lopeing back to the Next calculation on users choice
while (choice=='y' || choice=='Y')
{goto a;}
cout<< "Take Care Allah Hafiz"<< endl;
system("PAUSE");
}
```

.....another More Solution.....

```
check this.....
#include<iostream.h>
#include<conio.h>

main()

{
char i;
int a, b;

do
{
system("cls");
cout<<"*****Challan Calculator for Traffic Violations*****";
cout<<endl;
cout<<endl;
cout<<"Enter '1' for Breaking Signal:";
```

```
cout<<endl;
cout<<"Enter '2' for Over Speed:";
cout<<endl;
cout<<"Enter '3' for Wearing not Seat Belt:";
cout<<endl;
cout<<endl;
cout<<"Enter the type of traffic violation 1, 2 or 3:";
cin>>a;
cout<<endl;
switch(a)
{
case 1:
cout<<"Enter the numbers of days passed till challan date:";
cin>>b;
cout<<endl;

if(b<=10)cout<<"The total fine is Rs: "<<500;
else if (b<=30)cout<<"The total fine is Rs: "<<500*2;
else if (b>30)cout<<"The total fine is Rs: "<<(500*2)+(500/2);
break;
case 2:
cout<<"Enter the numbers of days passed till challan date:";
cin>>b;
cout<<endl;

if(b<=10)cout<<"The total fine is Rs: "<<300;
else if (b<=30)cout<<"The total fine is Rs: "<<300*2;
else if (b>30)cout<<"The total fine is Rs: "<<(300*2)+(300/2);

break;
case 3:
cout<<"Enter the numbers of days passed till challan date:";
cin>>b;
cout<<endl;

if(b<=10)cout<<"The total fine is Rs: "<<200;
else if (b<=30)cout<<"The total fine is Rs: "<<200*2;
else if (b>30)cout<<"The total fine is Rs: "<<(200*2)+(200/2);
break;
default:
cout<<endl;
cout<<endl;
cout<<"Please Enter a Valid Type of Traffic Violation:";
cout<<endl;
cout<<endl;
getch();
cout<<endl;
cout<<endl;
system("cls");
main();
break;

}
```

```
cout<<endl;
cout<<endl;
cout<<"Do you want another challan calculation? (y/n):";
cin>>i;
}
while(i != 'N' && i != 'n' );
}
```