```
/****************************************************************************/
/************************Name:- Divesh Uttamchandani************************/
/************************Class :- XII  A              ************************/
/************************Date  :- 07 July 2014        ************************/
/************************Q-2)  :- Ticbooth            *********************** /
/****************************************************************************/
#include<iostream.h>
#include<conio.h>
#include<ctype.h>
#include<process.h>

////////////////////////////////////////// Declaration & Definition of Class //////////////////////////////////////////
class ticbooth
{
private:
  static int nofp;
  static float amt;

public:
  void initialize      ();

  void not_sold        (int people);
  void sold            (int people);

  void display_nofp ();
  void display_both ();
};

//_____//
int    ticbooth::nofp;
float  ticbooth::amt;

//_____//
void ticbooth::initialize ()
{
 nofp=0;
 amt=0;
}
//_____//
void ticbooth::not_sold(int people)
{
 nofp+=people;
 cout<<"\nDone";
}
//.........................................................................//
void ticbooth::sold(int people)
{
 nofp+=people;
 amt+=2.5*people;
 cout<<"\nDone";
}
//_____//
```

```cpp
//_____//
void ticbooth::display_nofp()
{
 cout<<"\nNo Of People=\t"          <<nofp;
}
//.........................................................//
void ticbooth::display_both()
{
 cout<<"\nNo Of People Visited=\t"<< nofp;
 cout<<"\nNo of Tickets Sold=\t"    << amt/2.5;
}
//_____//
///////////////////////////////////////////////////////////////////////////////////////////////////////////////

//*******************************Void Main()*******************************//
void main()
{
 clrscr();
 cout<<"A PROGRAM TO MANTAIN A TICKETBOOTH AT A FAIR";

 int ch;
 ticbooth t1;
 t1.initialize();

 do
 {
 cout<<"\n\n\nMain Menu"
         <<"\n\n1)\tPeople Visited"
         <<"\n2)\tPeople Visited+Ticket Sold"
         <<"\n3)\tDisplay People"
         <<"\n4)\tDisplay People Visited+Ticket Sold"
         <<"\n\nEnter Choice...";   cin>>ch;

     switch(ch)
     {
     case 1:
     {
         int nofp;                                  //if i dont put brackets error-redeclaration of
nofp
         cout<<"\nEnter No. Of People\t";    cin>>nofp;
         t1.not_sold(nofp);
         break;
     }
     case 2:
     {
         int nofp;
         cout<<"\nEnter No. Of People\t";    cin>>nofp;
         t1.sold(nofp);
         break;
     }
     case 3:
         t1.display_nofp();
```

```
            break;

        case 4:
            t1.display_both();
            break;

        case 5:
            exit(0);
            break;

        default:
            cout<<"\nInvalid Choice";
        }
        cout<<"\nPress Y To Continue\t";
    }while(toupper(getche())=='Y');
}
//*****************************End Of Main*********************************//
```

OUTPUT

```
A PROGRAM TO MANTAIN A TICKETBOOTH AT A FAIR


Main Menu

1)      People Visited
2)      People Visited+Ticket Sold
3)      Display People
4)      Display People Visited+Ticket Sold
5)      Exit

Enter Choice...1

Enter No. Of People      10

Done
Press Y To Continue      y


Main Menu

1)      People Visited
2)      People Visited+Ticket Sold
3)      Display People
4)      Display People Visited+Ticket Sold
5)      Exit

Enter Choice...2

Enter No. Of People      10

Done
Press Y To Continue
Main Menu

1)      People Visited
2)      People Visited+Ticket Sold
3)      Display People
4)      Display People Visited+Ticket Sold
5)      Exit

Enter Choice...3

No Of People=   20
Press Y To Continue      y


Main Menu

1)      People Visited
2)      People Visited+Ticket Sold
3)      Display People
4)      Display People Visited+Ticket Sold
5)      Exit

Enter Choice...4

No Of People Visited=   20
No of Tickets Sold=     10
Press Y To Continue      n
```