#include<iostream>

using namespace std;

struct node

{

int data;

node \*next;

};

class list

{

private:

node \*first;

int ch,q;

int total;

int pending;

int td;

public:

list()

{

first=NULL;

pending=0;

td=0;

}

void add(int d)

{

pending++;

td++;

node \*ptr, \*temp;

if(first==NULL)

{

first=new node;

first->data=d;

first->next=NULL;

}

else

{

ptr=first;

while(ptr->next!=NULL)

ptr=ptr->next;

temp=new node;

temp->data=d;

temp->next=NULL;

ptr->next=temp;

}

}

void delivery(int v)

{

pending--;

node \*temp, \*ptr;

temp=first;

if(temp->data==v)

{

first=temp->next;

delete temp;

cout<<"the order has been delivered"<<endl;

return;

}

else

ptr=temp;

while(temp!=NULL)

{

if(temp->data==v)

ptr->next=temp->next;

delete temp;

cout<<"the order has been delivered"<<endl;

}

}

void menu()

{

int ch,q;

int total;

cout<< " MENU "<<endl;

cout<<" 1 for Pizza ==900 "<<endl;

cout<<" 2 for Burger ==800 "<<endl;

cout<<" 3 for juice ==250 "<<endl;

cout<<" 4 for Rice ==450 "<<endl;

cin>>ch;

if(ch==1)

{

cout<<"enter no of quantity"<<endl;

cin>>q;

total=q\*900;

cout<<" Total Bill "<<endl;

cout<< " No of Quantity is\t"<<q<<endl;

cout<<" The total amout is\t"<<total<<endl;

}

else if(ch==2)

{

cout<<"enter no of quantity"<<endl;

cin>>q;

total=q\*800;

cout<<" Total Bill "<<endl;

cout<< " No of Quantity is\t"<<q<<endl;

cout<<" The total amout is\t "<<total<<endl;

}

else if(ch==3)

{

cout<<"enter no of quantity"<<endl;

cin>>q;

total=q\*250;

cout<<" Total Bill "<<endl;

cout<< " No of Quantity is\t"<<q<<endl;

cout<<" The total amout is\t "<<total<<endl;

}

else if(ch==4)

{

cout<<"enter no of quantity"<<endl;

cin>>q;

total=q\*450;

cout<<" Total Bill "<<endl;

cout<< " No of Quantity is\t"<<q<<endl;

cout<<" The total amout is\t "<<total<<endl;

}

else

{

cout<<"invalid choice"<<endl;

exit(0);

}

}

void statusboy()

{

pending=0;

if(pending==0)

{

cout<<"the pending are free"<<endl;

}

else

{

cout<<"the pending are"<<pending-1;

cout<<endl;

}

}

void totaldelivery()

{

cout<<"the total dilevery are"<<td;

cout<<endl;

}

};

int main()

{

list l1,l2,l3,l4;

int token=0;

int s,p;

do

{

system("cls");

l1.menu();

cout<<"press 1 to assign dilvery order"<<endl;

cout<<"press 2 for the dilevery"<<endl;

cout<<" press 3 for see the total dilevery"<<endl;

cout<<"press 4 for see the boy status"<<endl;

cin>>p;

if(p==1)

{

cout<<"Enter to assing the order to the delivery bor"<<endl;

cout<<" 1 to assing to dilevery boy 1"<<endl;

cout<<"2 to assingn to delivery boy 2"<<endl;

cout<<"3 to assingn dilvery boy 3"<<endl;

cout<<"4 to assingn dilevery boy 4"<<endl;

cin>>s;

switch(s)

{

case 1:

l1.add(++token);

break;

case 2:

{

l2.add(++token);

}

break;

case 3:

{

l3.add(++token);

}

break;

case 4:

{

l4.add(++token);

}

break;

}

if(p==2)

l1.delivery(++token);

else if(p=3)

l1.totaldelivery();

else if(p==4)

l1.statusboy();

else

cout<<"invalid option"<<endl;

}

}

while(p=5);

system("pause");

}