

System pembelian tiket Bus antar kota dan provinsi

```
#include <iostream>

#include <conio.h>

#include <stdlib.h>

#include <iomanip>

#include <windows.h>

void chgcolor(unsigned short color)

{

HANDLE sCon = GetStdHandle(STD_OUTPUT_HANDLE);

SetConsoleTextAttribute(sCon,color);

}

using namespace std;

typedef struct Tnode

{

    string data;

    int no;

    Tnode *next;

}data;

typedef struct Pnode

{

    string nama;

    string pesan;

    int jumlah;

    int harga;

    int total;

    int dapat;

    Pnode *Pnext;

}Pdata;
```

```

int noan=1;
Pnode *Phead;
Tnode *head;
Tnode *bantu;
void init()
{
    head=NULL;
}

int IsEmpty()
{
    if(head==NULL)
        return 1;
    else
        return 0;
}

void insertbelakang(string n)
{
    int x=0;
    if(head==NULL && bantu!=NULL)
    {
        head=bantu;
        x=5;
    }
    Tnode *baru,*Tbantu;
    baru = new Tnode;
    baru->data = n;
    baru->next = NULL;

```

```

if(IsEmpty()==1)
{
    head=baru;
    head->no = 1;
    head->next = NULL;
}else
{
    Tbantu = head;
    while(Tbantu->next!=NULL)
    {
        Tbantu=Tbantu->next;
    }
    baru->no=Tbantu->no+1;
    Tbantu->next=baru;

}
cout<<"Data Terisi";

if(x==5)
{
    head=Tbantu->next;
}
}

```

```

int PsEmpty()
{
    if(Phead==NULL)
        return 1;
    else
        return 0;
}

```

```

}

void insertpesanan(string pes, int jum,int harga,int total)
{

    Pnode *Pbaru,*Pbantu;

    Pbaru = new Pnode;

    Pbaru->pesan = pes;

    Pbaru->jumlah= jum;

    Pbaru->harga =harga;

    Pbaru->total=total;

    Pbaru->Pnext = NULL;

    if(PsEmpty()==1)
    {

        Phead=Pbaru;

        Phead->Pnext = NULL;

    }else
    {

        Pbantu = Phead;

        while(Pbantu->Pnext!=NULL)
        {

            Pbantu=Pbantu->Pnext;

        }

        Pbantu->Pnext=Pbaru;

    }

    cout<<"Data Tersimpan";

}

```

```

void panggil()
{
    int no=noan;
    if(IsEmpty()==0)
    {
        cout<<"Antrian " << no <<" dipersilahkan Mengisi Data"<<endl;
    }else
        cout<<endl<<"Masih Kosong"<<endl;
}

```

```

void tampil()
{
    int no=noan;
    Tnode *cantu;
    cantu = head;
    if(IsEmpty()==0)
    {
        chgcolor(10);
        cout<<"\t\t DAFTAR ANTRIAN"<<endl;
        cout<<"\t===== "<<endl;
        cout<<"\t===== NO ===== Nama ===== "<<endl;
        cout<<"\t===== "<<endl;
        while(cantu!=NULL)
        {
            chgcolor(10);
            cout<<"\t"<<setiosflags(ios::left)<<setw(7)<<"||";
            chgcolor(15);
            cout<<"\t"<<setiosflags(ios::left)<<setw(7)<<no;
            cout<<"\t"<<setiosflags(ios::left)<<setw(8)<<cantu->data;
            chgcolor(10);

```

```

        cout<<"\t"<<setiosflags(ios::left)<<setw(5)<<"||";

        cantu=cantu->next;

        no++;

        cout<<endl;

    }

    chgcolor(10);

    cout<<"\t===== "<<endl;

    }else

        cout<<endl<<"PERINGATAN !!!( MASIH KOSONG )" <<endl;

}

void tampilpesanan()

{

    int no=1;

    Tnode *antu;

    Pnode *Pbantu;

    Pbantu = Phead;

    antu=bantu;

    if(PsEmpty()==0)

    {

        chgcolor(10);

        cout<<"\t\t\t\t\tDATA PEMESANAN TIKET"<<endl;

        cout<<"===== "

        "<<endl;

        cout<<"||== No ===== Nama ===== Nama Pesanan ===== jumlah pesanan ===== harga =====TOTAL===||"<<endl;

        cout<<"||===== ||"

        <<endl;

        while(Pbantu!=NULL)

        {

```

```

        chgcolor(10);

        cout<<setiosflags(ios::left)<<setw(5)<<"||";

        chgcolor(15);

        cout<<setiosflags(ios::left)<<setw(11)<<no;

                cout<<setiosflags(ios::left)<<setw(13)<<antu->data;
                cout<<setiosflags(ios::left)<<setw(23)<<Pbantu->pesan;
                cout<<setiosflags(ios::left)<<setw(19)<<Pbantu->jumlah;
                cout<<setiosflags(ios::left)<<setw(13)<<Pbantu->harga;
                cout<<setiosflags(ios::left)<<setw(9)<<Pbantu->total;

                chgcolor(10);

                cout<<setiosflags(ios::left)<<setw(5)<<"||";

                Pbantu=Pbantu->Pnext;

                antu=antu->next;

                no++; cout<<endl;

        }

        chgcolor(10);

        cout<<"=====
===== "<<endl;

        }else

                cout<<endl<<"Masih Kosong"<<endl;

}

void hapusdepan()
{

        Tnode *hapus;

        string d;

        if(bantu==NULL)

        bantu = head;

```

```

        if(IsEmpty()==0)
        {
            if(head!=NULL)
            {
                noan=noan+1;
                hapus=head;
                d=hapus->data;
                head=hapus->next;
            }

        }else
        cout<<"\nMasih Kosong\n";
    }

int main()
{
    int j,h,pil,x;
    char p;
    string n,z;

do{

    chgcolor(11);
    cout<<"\t\t||=====Kelompok 11=====||"<<endl;
    cout<<"\t\t||+HAFIZ DARMAWAN(5160411121)||"<<endl;
    cout<<"\t\t||+M.ALI SODIQIN (5160411128)||"<<endl;
    cout<<"\t\t||RENITA ALDEA (516041117)||"<<endl;
    cout<<"\t\t||ANDESKA MASKORI (516041078)||"<<endl;
    cout<<"\t\t||=====||"<<endl;

    chgcolor(15);
    cout<<"\n"<<endl;
}

```



```

chgcOLOR(10);

    cout<<"===== "<<endl;

cout<<"====APLIKASI PEMESANAN TIKET BUS ANTAR KOTA DAN PROVINSI===="<<endl;

cout<<"===== "<<endl;

chgcOLOR(15);

    cout<<"\tMENU PILIHAN "<<endl;

    cout<<"\t1.Masukan\n";

    cout<<"\t2.Tampilkan Antrian\n";

    cout<<"\t3.Panggil Antrian\n";

    cout<<"\t4.Tampilkan Pesanan \n";

    cout<<"\t5.Clear\n";

    cout<<"\t6.Exit"<<endl;

    cout<<"\tmasukkan pilihan = "; cin>>pil;

    cout<<"\n\n";

    if (pil>=7){

cout<<"\ttidak ada pilihan !!!"<<endl;

    }

    switch(pil)

    {

        case 1 : cout<<"Masukan Nama : "; cin>>n;

                    IsEmpty();

                    insertbelakang(n);

                    break;

        case 2 :

                    IsEmpty();

                    tampil();

                    break;

```

case 3 :

IsEmpty();

panggil();

if(IsEmpty()==0)

{

cout<<"Masukan Kota Tujuan : "; cin>>z;

cout<<"Masukan Jumlah Tiket : "; cin>>j;

cout<<"masukan harga : "; cin>>h;

x=j*h;

insertpesanan(z,j,h,x);

hapusdepan();

}

break;

case 4 :

PsEmpty();

tampilpesanan();

break;

case 5 :

head=NULL;

Phead=NULL;

cout<<"\n\nData Terhapus\n\n";

break;

case 6 :

cout<<"terimakasih"<<endl;

break;

default :

```

break;

    }

    cout<<endl;

    chgcolor(15);

    cout<<"Lanjut";

    getch();

    system("cls");

}while(pil!=6);

for(int x=1;x<10;x++)

return 0;

}

```

```

C:\Users\Hafizdarmawan\Documents\c++\anjing.exe

||=====Kelompok 11=====||
||tHAFIZ DARMAWAN(5160411121)||
||tM.ALI SODIQIN (5160411128)||
||RENITA ALDEA (516041117)||
||ANDESKA MASKORI (516041078)||
||=====||

=====
====APLIKASI PEMESANAN TIKET BUS ANTAR KOTA DAN PROVINSI=====
=====
MENU PILIHAN
1.Masukan
2.Tampilkan Antrian
3.Panggil Antrian
4.Tampilkan Pesanan
5.Clear
6.Exit
masukkan pilihan = 1

Masukan Nama : HAFIZ
Data Terisi
Lanjut

```

```
=====
====APLIKASI PEMESANAN TIKET BUS ANTAR KOTA DAN PROVINSI=====
=====
MENU PILIHAN
1.Masukan
2.Tampilkan Antrian
3.Panggil Antrian
4.Tampilkan Pesanan
5.Clear
6.Exit
masukkan pilihan = 2

      DAFTAR ANTRIAN
=====
===== NO ===== Nama =====
=====
||      1      HAFIZ      ||
||      2      ALI       ||
||      3      ANDESKA   ||
||      4      RENITA    ||
=====

Lanjut
```

```
=====
====APLIKASI PEMESANAN TIKET BUS ANTAR KOTA DAN PROVINSI=====
=====
MENU PILIHAN
1.Masukan
2.Tampilkan Antrian
3.Panggil Antrian
4.Tampilkan Pesanan
5.Clear
6.Exit
masukkan pilihan = 4

      DATA PEMESANAN TIKET
=====
=====
||== No ===== Nama ==== Nama Pesanan ==== jumlah pesanan ===== harga ===== TOTAL ===||
=====
||      1      HAFIZ      PACITAN      2      20000      40000      ||
||      2      ALI       LAMPUNG      2      100000      200000     ||
||      3      ANDESKA   JAMBI      3      150000      450000     ||
||      4      RENITA    NGAWI      1      30000      30000      ||
=====

Lanjut
```