**APLIKASI PEMBELIAN TIKET BIOSKOP**

**DENGAN BAHASA PEMOGRAMAN *C++***

oleh:

AMAR LUTHFI (1810631170154)

MUHAMMAD DIKI HERDIYANTO (1810631170199)



**PROGRAM STUDI TEKNIK INFORMATIKA**

**FAKULTAS ILMU KOMPUTER**

**UNIVERSITAS SINGAPERBANGSA KARAWANG**

**KARAWANG**

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Nama : Amar Luthfi

NPM : 1810631170154

Kelas : 2G

Penugasan : - Programmer ke-2

* Penyusun Laporan
* Pembuat flowchart
* Pembuat Pseudocode

Nama : Muhammad Diki Herdiyanto

NPM : 1810631170199

Kelas : 2G

Penugasan : - Programmer ke-1

* Penyusun Power Point
* Penggagas



**Fasilitas Utama :**

1. Menampilkan form login karyawan (admin)
2. Menampilkan menu
3. Menampilkan daftar film
4. Input data
5. Menampilkan hasil transaksi

**Bisnis Proses Aplikasi :**

Aplikasi Pembelian Tiket Bioskop ini menggunakan bahasa pemograman basis *C++* dan menggunakan system main utama yang menampilkan menu aplikasi yaitu : daftar film, daftar harga dan pembelian. Selain itu aplikasi ini juga menerapkan system sub program dengan menggunakan fungsi untuk menjalankan input data dan transaksi pembelian tiket. Aplikasi ini memenuuhi standar pemograman *C++* . Kekurangannya Aplikasi ini tidak bisa menampilkan jumlah tersedianya kursi, posisi dan jumlah terbelinya kursi.

**Pseudocode :**

**Judul :** Program Tiket Bioskop

**Deklarasi :** user, pass : *string*

ch, b : *character*

p, kursi, harga, jumlah, : *integer*

menu, film, pembelian : *void*

**Deskripsi :** *Input* user & pass

*If* user = admin && pass = 12345

*Then* menu()

*Else* Username atau Password salah, silakan login kembali.

*Output* menu : 1. Cek Daftar Film

2. Cek Harga

3. Pembelian Tiket

*Input* pilihan menu (1, 2, 3)

*Switch* (pilihan menu)

*Case* 1 : film

*Case* 2 : Harga

*Case* 3 : Pembelian

*Void* film

*Read* (Daftar Film)

*Input* b *goto* menu

*Void* Harga

*Read* (Daftar Harga)

*Input* b *goto* menu

*Void* Pembelian

*Input* nama film

*Input* jumlah kursi

*Read* (*total=jumlah kursi\*harga)*

*Write* (nama film, total)

*While* (menu)

**Flowchart:**

Total = Jumlah Kursi \*

Harga

Harga

Film

Pembelian

Daftar Harga

Daftar Film

3. Pembelian

tiket

2. Harga

1. Daftar Film

Menu

Yes

No

Masuk=

admin

Login Admin

**Source Code** :

Nama Film &

Total pembayaran

#include <iostream>

#include <conio.h>

#include <stdlib.h>

#include <windows.h>

using namespace std;

void garis();

void menu();

void film();

void hargatiket();

void beli();

void kelass();

void daftarfilm();

main()

{

system("color a");

string user,pass;

char ch;

login :

cout<<"\t";garis(); cout<<endl;

cout<<"\t------------SELAMAT DATANG-----------"<<endl;

cout<<"\t-----------Z1R0 Z1R0 TEATER----------"<<endl;

cout<<"\t";garis(); cout<<endl;

cout<<" \t | Silakan Login |"<<endl;

cout<<"\t"; garis(); cout<<endl;

cout << "\tUsername : "; cin >> user;

cout << "\tPassword : ";

ch = \_getch();

while(ch != 13)

{

pass.push\_back(ch);

cout << '\*';

ch = \_getch();

}

beranda:

if (user=="admin" && pass=="12345")

{

system("cls");

menu();

getch();

}

else

{

system("cls");

cout<<"\n\n Username atau Password salah, silakan login kembali"<<endl;

goto login;

return 0;

}

}

void garis()

{

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

}

void menu()

{

int p;

system ("cls");

cout<<"\t"<<"===";garis(); cout<<"==="<<endl;

cout<<"\t Selamat Datang di Z1R0 Z1R0 TEATER"<<endl;

cout<<"\t"<<"===";garis(); cout<<"==="<<endl<<endl;

cout<<"\t\t1. Cek Daftar Film"<<endl;

cout<<"\t\t2. Cek Harga"<<endl;

cout<<"\t\t3. Pembelian Tiket"<<endl<<endl;

cout<<"\t"<<"===";garis(); cout<<"==="<<endl;

cout<<"\tMasukkan Pilihan : "; cin>>p;

switch(p)

{

case 1:

film();

break;

case 2:

system("cls");

hargatiket();

break;

case 3:

beli();

break;

}

}

void film()

{

char b;

daftarfilm();

cout << "\nPress B For Back : ";

cin >> b;

if(b == 'b' || b == 'B')

{

menu();

}

getch();

}

void hargatiket()

{

char b;

kelass();

cout << "\nPress B For Back : ";

cin >> b;

if(b == 'b' || b == 'B')

{

menu();

}

getch();

}

void daftarfilm()

{

system("cls");

cout<<" \*\*\*- FILM -\*\*\*"<<endl;

cout<<" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;

cout<<" | ACTION | COMEDY | HORROR | INDONESIA |"<<endl;

cout<<" |-------------------|--------------------|------------------|----------------------|"<<endl;

cout<<" | 1. |FAST FURIOUS 7| 3. |MR.BEAN HOLIDAY| 5. |THE CONJURING| 7. | DILAN 1991 |"<<endl;

cout<<" | | | | | | | | |"<<endl;

cout<<" | 2. | IRON MAN 3 | 4. |JOHNNY ENGLISH | 6. | INSIDIOUS 3 | 8. | MY STUPID BOSS 2|"<<endl;

cout<<" |-------------------|--------------------|------------------|----------------------|"<<endl<<endl;

}

void kelass()

{

int a,b,c,d;

cout<<"\n ===HARGA TIKET==="<<endl;

cout<<" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;

cout<<" | KELAS | JENIS | HARGA |"<<endl;

cout<<" |-------------|-------------|---------------|"<<endl;

cout<<" | | 2D | Rp30.000,00 |"<<endl;

cout<<" | REGULER |-------------|---------------|"<<endl;

cout<<" | | 3D | Rp45.000,00 |"<<endl;

cout<<" |-------------|-------------|---------------|"<<endl;

cout<<" | | 2D | Rp50.000,00 |"<<endl;

cout<<" | GOLD |-------------|---------------|"<<endl;

cout<<" | | 3D | Rp70.000,00 |"<<endl;

cout<<" |-------------|-------------|---------------|"<<endl;

}

void beli()

{

char \*nama,\*kelas,\*jenis,\*studio,n,mf,kls,t;

float harga,jml,tot;

daftarfilm();

kelass();

cout<<"\n\n Masukkan kode film [1-8] : "; cin>>mf;

cout<<" Masukkan kelas [R/G] : "; cin>>n;

cout<<" Masukkan jenis [2/3]D : "; cin>>kls;

cout<<" Masukkan jumlah pemesanan : "; cin>>jml;

switch(mf)

{

case '1':

studio="STUDIO 1";

nama="FAST FURIOUS 7";

if(n=='R' || n=='r')

{

kelas="Reguler";

if(kls==2)

{

jenis="2D";

harga=30000;

}

else

{

jenis="3D";

harga=45000;

}

}

else if(n=='g' || n=='G')

{

kelas="Gold";

if(kls==2)

{

jenis="2D";

harga=50000;

}

else

{

jenis="3D";

harga=70000;

}

}

break;

case '2':

studio="STUDIO 1";

nama="IRON MAN 3";

if(n=='R' || n=='r')

{

kelas="Reguler";

if(kls==2)

{

jenis="2D";

harga=30000;

}

else

{

jenis="3D";

harga=45000;

}

}

else if(n=='g' || n=='G')

{

kelas="Gold";

if(kls==2)

{

jenis="2D";

harga=50000;

}

else

{

jenis="3D";

harga=70000;

}

}

break;

case '3':

studio="STUDIO 2";

nama="MR.BEAN HOLIDAY";

if(n=='R' || n=='r')

{

kelas="Reguler";

if(kls==2)

{

jenis="2D";

harga=30000;

}

else

{

harga=45000;

}

}

else if(n=='g' || n=='G')

{

kelas="Gold";

if(kls==2)

{

jenis="2D";

harga=50000;

}

else

{

jenis="3D";

harga=70000;

}

}

break;

case '4':

studio="STUDIO 2";

nama="JOHNNY ENGLISH";

if(n=='R' || n=='r')

{

kelas="Reguler";

if(kls==2)

{

jenis="2D";

harga=30000;

}

else

{

jenis="3D";

harga=45000;

}

}

else if(n=='g' || n=='G')

{

kelas="Gold";

if(kls==2)

{

jenis="2D";

harga=50000;

}

else

{

jenis="3D";

harga=70000;

}

}

break;

case '5':

studio="STUDIO 3";

nama="THE CONJURING";

if(n=='R' || n=='r')

{

kelas="Reguler";

if(kls==2)

{

jenis="2D";

harga=30000;

}

else

{

jenis="3D";

harga=45000;

}

}

else if(n=='g' || n=='G')

{

kelas="Gold";

if(kls==2)

{

jenis="2D";

harga=50000;

}

else

{

jenis="3D";

harga=70000;

}

}

break;

case '6':

studio="STUDIO 3";

nama="INSIDIOUS 3";

if(n=='R' || n=='r')

{

kelas="Reguler";

if(kls==2)

{

jenis="2D";

harga=30000;

}

else

{

jenis="3D";

harga=45000;

}

}

else if(n=='g' || n=='G')

{

kelas="Gold";

if(kls==2)

{

jenis="2D";

harga=50000;

}

else

{

jenis="3D";

harga=70000;

}

}

break;

case '7':

studio="STUDIO 4";

nama="DILAN 1991";

if(n=='R' || n=='r')

{

kelas="Reguler";

if(kls==2)

{

jenis="2D";

harga=30000;

}

else

{

jenis="3D";

harga=45000;

}

}

else if(n=='g' || n=='G')

{

kelas="Gold";

if(kls==2)

{

jenis="2D";

harga=50000;

}

else

{

jenis="3D";

harga=70000;

}

}

break;

case '8':

studio="STUDIO 5";

nama="MY STUPID BOSS ";

if(n=='R' || n=='r')

{

kelas="Reguler";

if(kls==2)

{

jenis="2D";

harga=30000;

}

else

{

jenis="3D";

harga=45000;

}

}

else if(n=='g' || n=='G')

{

kelas="Gold";

if(kls==2)

{

jenis="2D";

harga=50000;

}

else

{

jenis="3D";

harga=70000;

}

}

break;

}

system("cls");

tot=jml\*harga;

cout<<"\t TRANSAKSI PENJUALAN TIKET BIOSKOP"<<endl;

cout<<"\t";garis(); cout<<endl;

cout<<"\n\t Nama Film : "<<nama<<endl;

cout<<"\t Studio : "<<studio<<endl;

cout<<"\t Kelas : "<<kelas<<endl;

cout<<"\t Jenis : "<<jenis<<endl;

cout<<"\t Harga Tiket : Rp"<<harga<<",00"<<endl;

cout<<"\t Jumlah Pemesanan : "<<jml<<endl;

cout<<"\t";garis(); cout<<endl;

cout<<"\t Total Bayar : Rp"<<tot<<",00"<<endl;

cout<<"\n\n\t=====";garis(); cout<<endl;

cout<<"\tApakah anda ingin membeli lagi ? [Y/T] : "; cin>>t;

while(t=='y' || t=='Y')

{

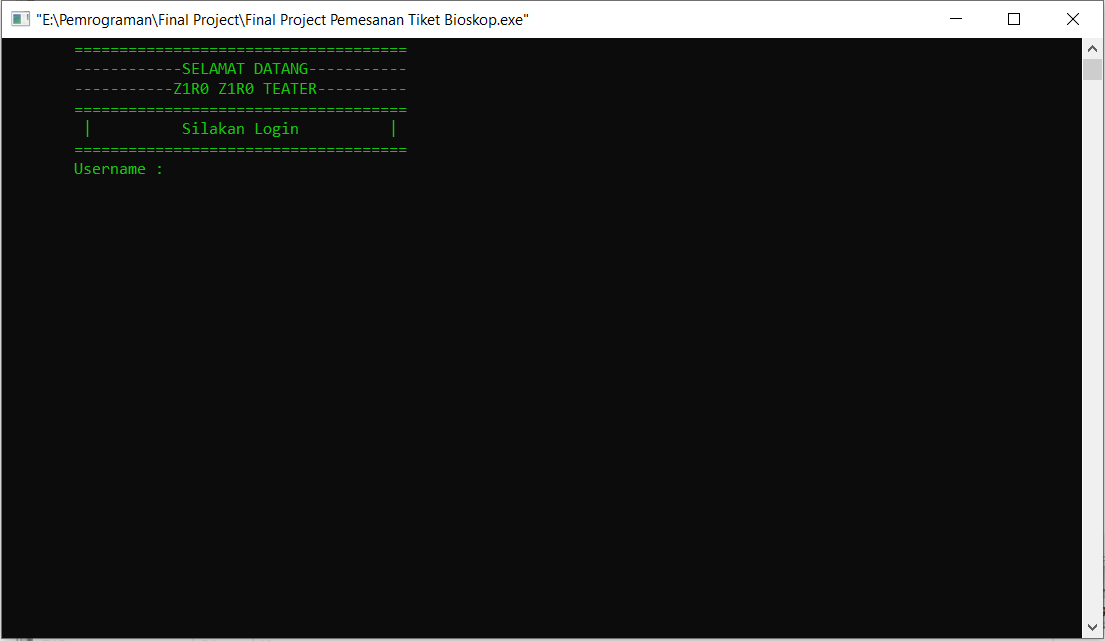
menu();

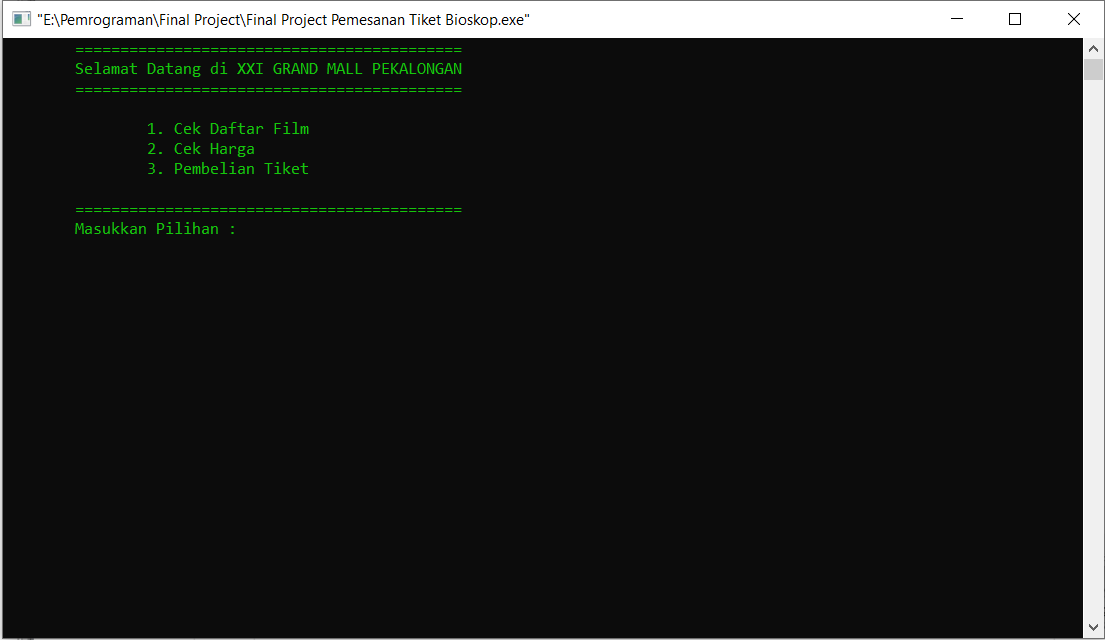
}

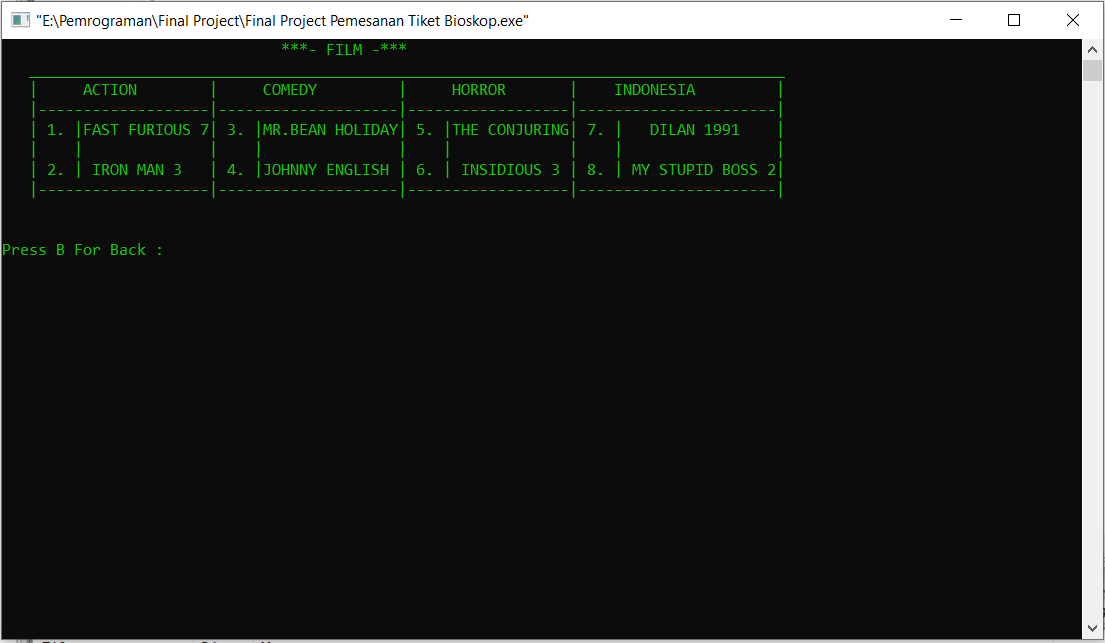
cout<<"\n\n\t ==========TERIMA KASIH==========";

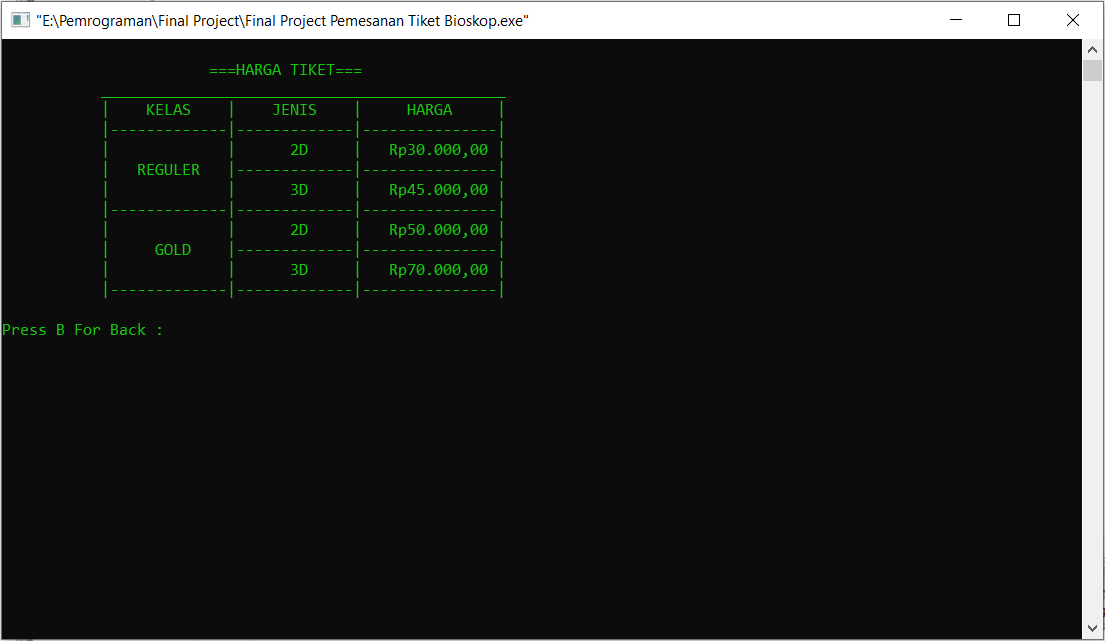
}

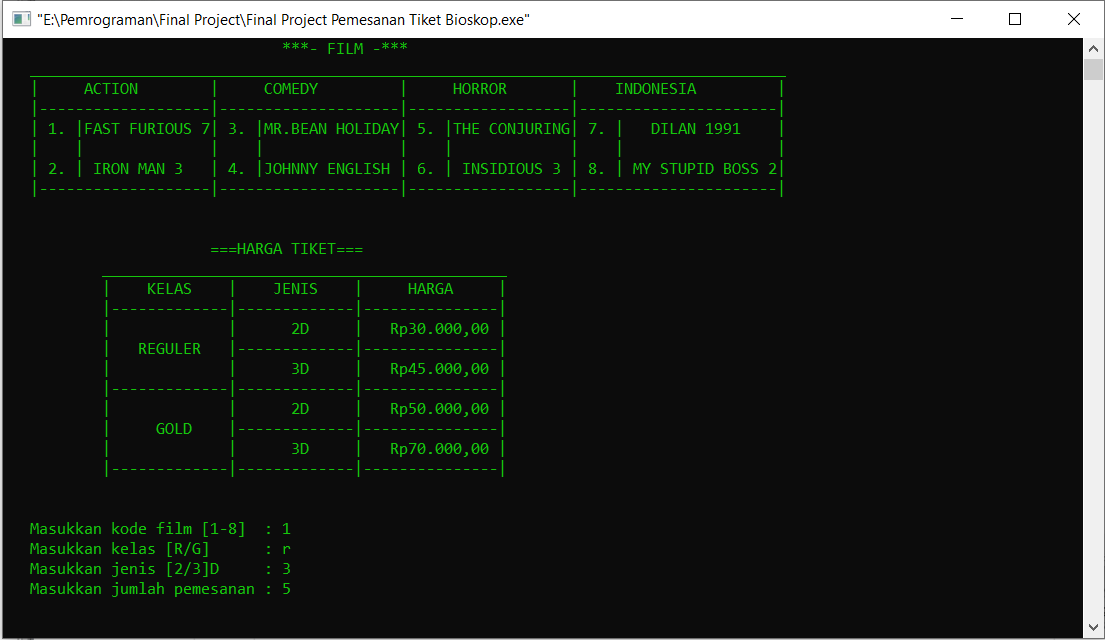
**Screen shoot**

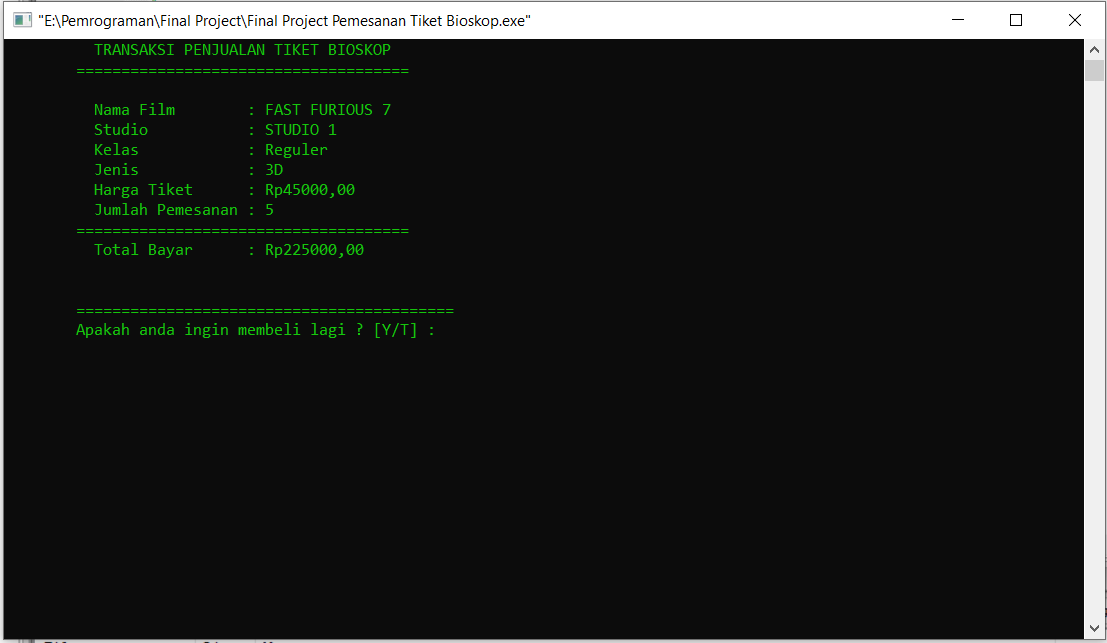
****

****

****

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