

KELOMPOK 11

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## PROGRAM TELLER BANK OF UTY

### Sorce code

```
#include <iostream>
#include <conio.h>
#include <windows.h>
#define max 2

struct antri
{
    int data;
};

struct identitas
{
    char nama[20];
    char no_rek[15];
    char transaksi;
    int nominal;
};

main()
{
    identitas id[15];
    antri ant[15];
    int cek=0, y=0, hapus;
    char pil;
    do {
        system("cls");
        cout<<"\n\t\t =====";
        cout<<"\n\t\t || PROGRAM TELLER BANK OF UTY ||";
        cout<<"\n\t\t ====="<<endl<<endl;
        cout<<"1. Masukkan Antrian"<<endl;
        cout<<"2. Proses Antrian"<<endl;
        cout<<"3. Keluar"<<endl;
        cout<<endl;
        cout<<"Masukkan pilihan Anda (1-3)\t=";
        cin>>pil;
        cout<<endl;
```

```

if(pil!='1' && pil !='2' && pil !='3' )
{
    cout<<"Anda salah memasukkan pilihan\n\n";
    system("PAUSE");
}

else
{
    if(pil=='1') //PUSH
    {
        if(cek==15 && y==15)
        {
            cout<<"ANTRIAN PENUH!!!";
        }

        cout<<endl;
        system("cls");
        cout<<"Nama Nasabah\t: ";
        cin>>id[cek].nama;
        cout<<"Nomor Rekening\t: ";
        cin>>id[cek].no_rek;
        ulang:
        cout<<"Jenis Transaksi\t: \n";
        cout<<"\t: A.Debet\n";
        cout<<"\t B.Kredit\n"<<"Pilih\t: ";
        cin>>id[cek].transaksi;
        if(id[cek].transaksi=='a' || id[cek].transaksi=='A' || id[cek].transaksi=='b' ||
id[cek].transaksi=='B')
        {
            cout<<"Nominal\t\t: ";
            cin>>id[cek].nominal;
        }
        else
        {

            cout<<"\n\nAnda Salah Memilih Jenis Transaksi\n\n";
            cout<<"\n\n";
            goto ulang;
        }

        cout<<endl;
        cek++;
        system("cls");

        cout<<"Antrian saat ini\t:\n\n";
        for(int z=0;z<cek;z++)
        {

            cout<<"Nomor Antri\t: "<<z+1;
            cout<<endl;
            cout<<"Nama Nasabah\t: "<<id[z].nama<<endl;
            cout<<"Nomor Rekening\t: "<<id[z].no_rek<<endl;
            cout<<"Jenis Transaksi\t: ";
            if(id[z].transaksi=='a' || id[z].transaksi=='A')
            {
                cout<<"Debet";
            }
        }
    }
}

```

```

    }
    else if(id[z].transaksi=='b' || id[z].transaksi=='B')
    {
        cout<<"Kredit";
    }
    cout<<endl;
    cout<<"Nominal\t\t: "<<id[z].nominal<<endl;
    cout<<endl<<endl;

}

```

```

    cout<<"\n\n";
    system("PAUSE");
}
else
{
    if(pil=='2')    //POP
    {
        if(cek==0)
            cout<<"Antrian kosong";
        else
        {
            for(int z=0;z<cek;z++)
                hapus=z;
            for(int v=0;v<cek;v++)
                ant[v].data=ant[v+1].data;
            ant[cek].data=NULL;
            cek--;
            system("cls");
            cout<<"\nAntrian dengan nomor 1 diproses\n";
            cout<<"\n\t\tData Nasabah \n\n";
            cout<<"Nama Nasabah\t: "<<id[0].nama<<endl;
            cout<<"Nomor Rekening\t: "<<id[0].no_rek<<endl;
            cout<<"Jenis Transaksi\t: "<<id[0].transaksi<<endl;
            cout<<"Nominal\t\t: "<<id[0].nominal<<endl;
            cout<<endl;
            {
                int b;
                for(b=0;b<cek;b++)
                    id[b]=id[b+1];
                b--;
            }
        }
    }

    cout<<endl;
    if(cek==0)
        cout<<"Antrian kosong";
    else
        cout<<"Nomor Antrian saat ini : ";
        for(int z=0;z<cek;z++)
        {
            cout<<" | ";

```

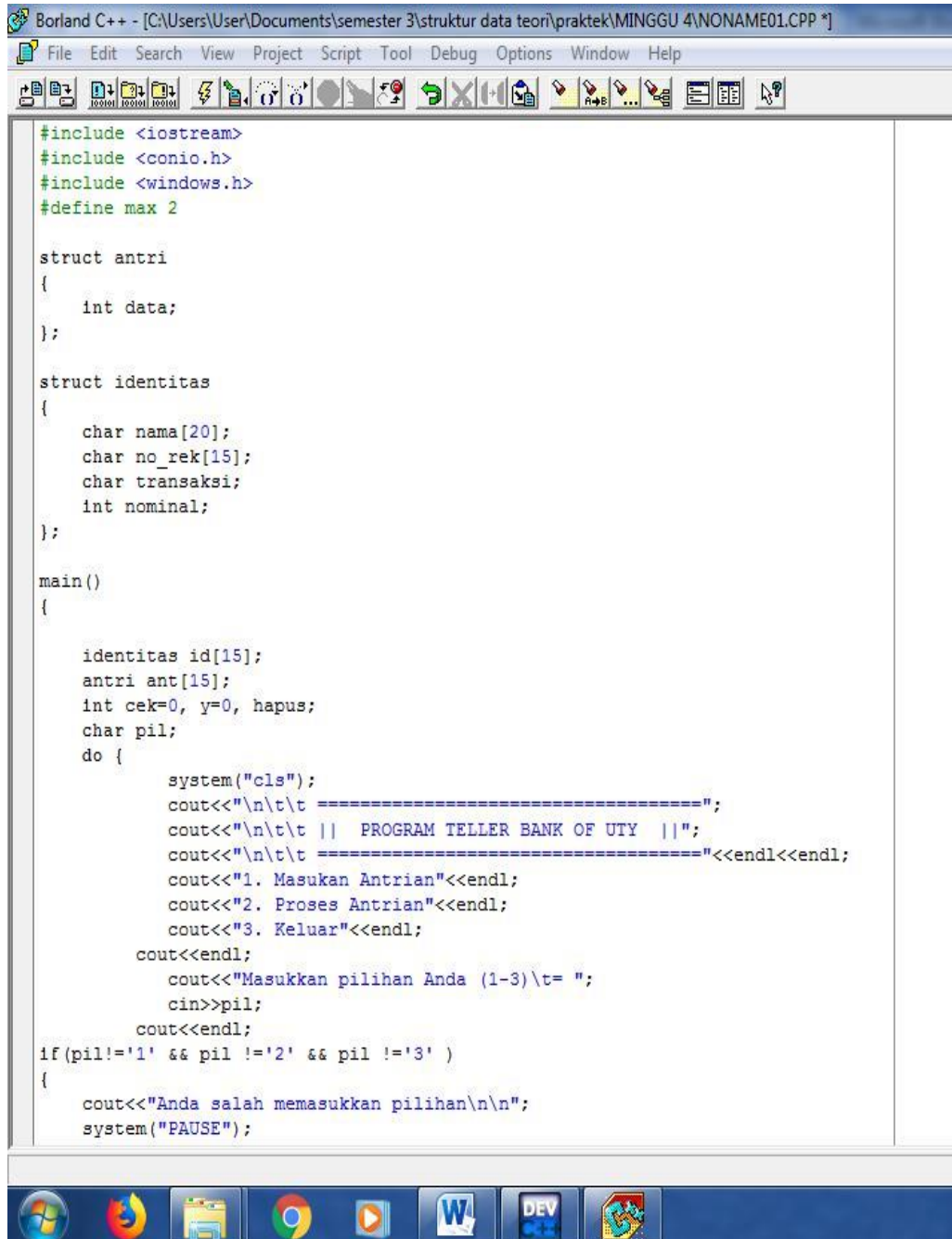
```
        cout<<" "<<z+1;
        cout<<" | ";
    }
    cout<<endl<<endl;
    system("PAUSE");
}

}

}while(pil!='3');
}
```

# MASUKAN INPUTAN

(PICTURE 1)



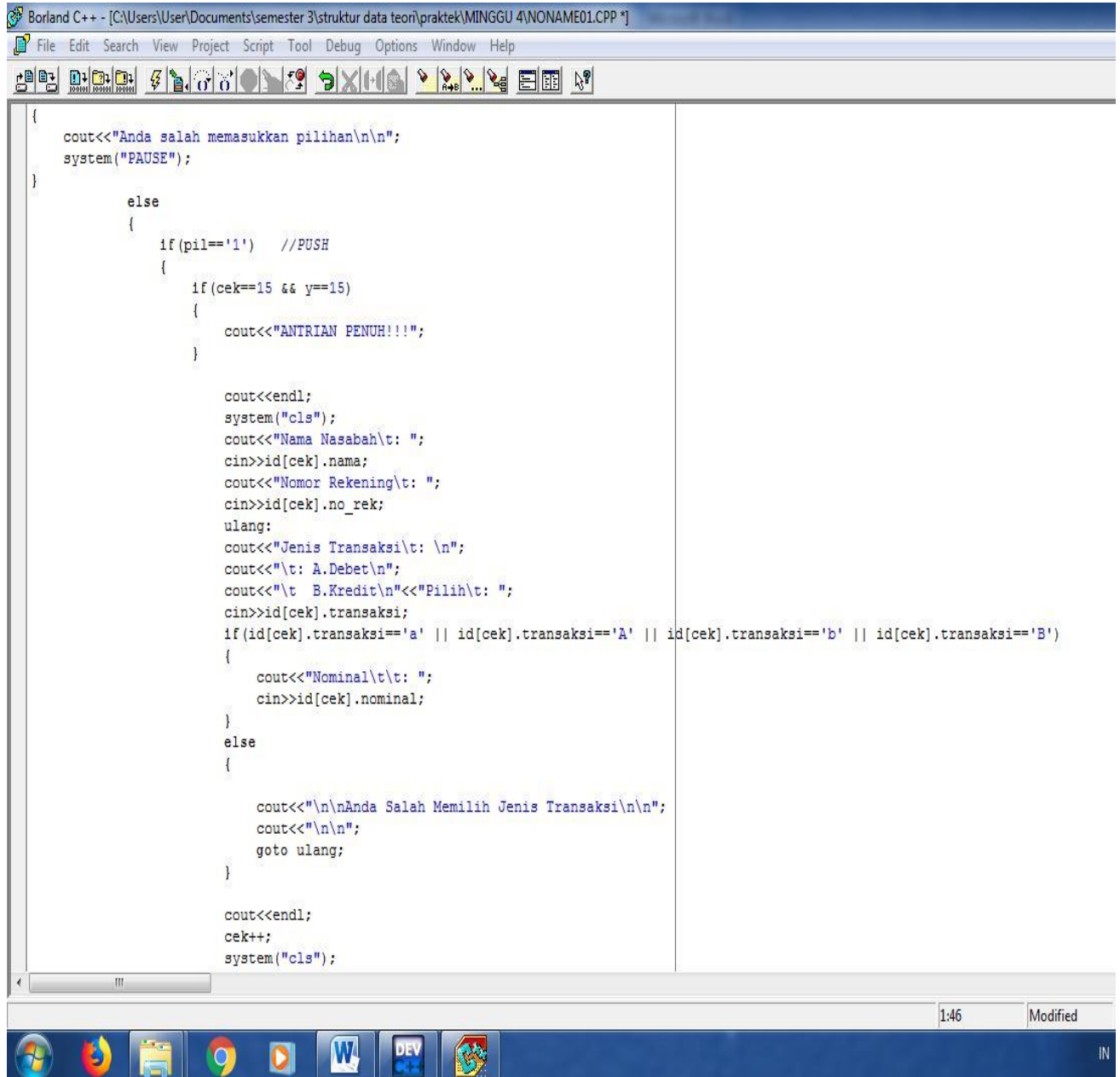
```
#include <iostream>
#include <conio.h>
#include <windows.h>
#define max 2

struct antri
{
    int data;
};

struct identitas
{
    char nama[20];
    char no_rek[15];
    char transaksi;
    int nominal;
};

main()
{
    identitas id[15];
    antri ant[15];
    int cek=0, y=0, hapus;
    char pil;
    do {
        system("cls");
        cout<<"\n\t\t =====";
        cout<<"\n\t\t ||  PROGRAM TELLER BANK OF UTY  ||";
        cout<<"\n\t\t =====<<endl<<endl;
        cout<<"1. Masukan Antrian"<<endl;
        cout<<"2. Proses Antrian"<<endl;
        cout<<"3. Keluar"<<endl;
        cout<<endl;
        cout<<"Masukkan pilihan Anda (1-3)\t= ";
        cin>>pil;
        cout<<endl;
    if(pil!='1' && pil !='2' && pil !='3' )
    {
        cout<<"Anda salah memasukkan pilihan\n\n";
        system("PAUSE");
    }
}
```

## (PICTURE 2)



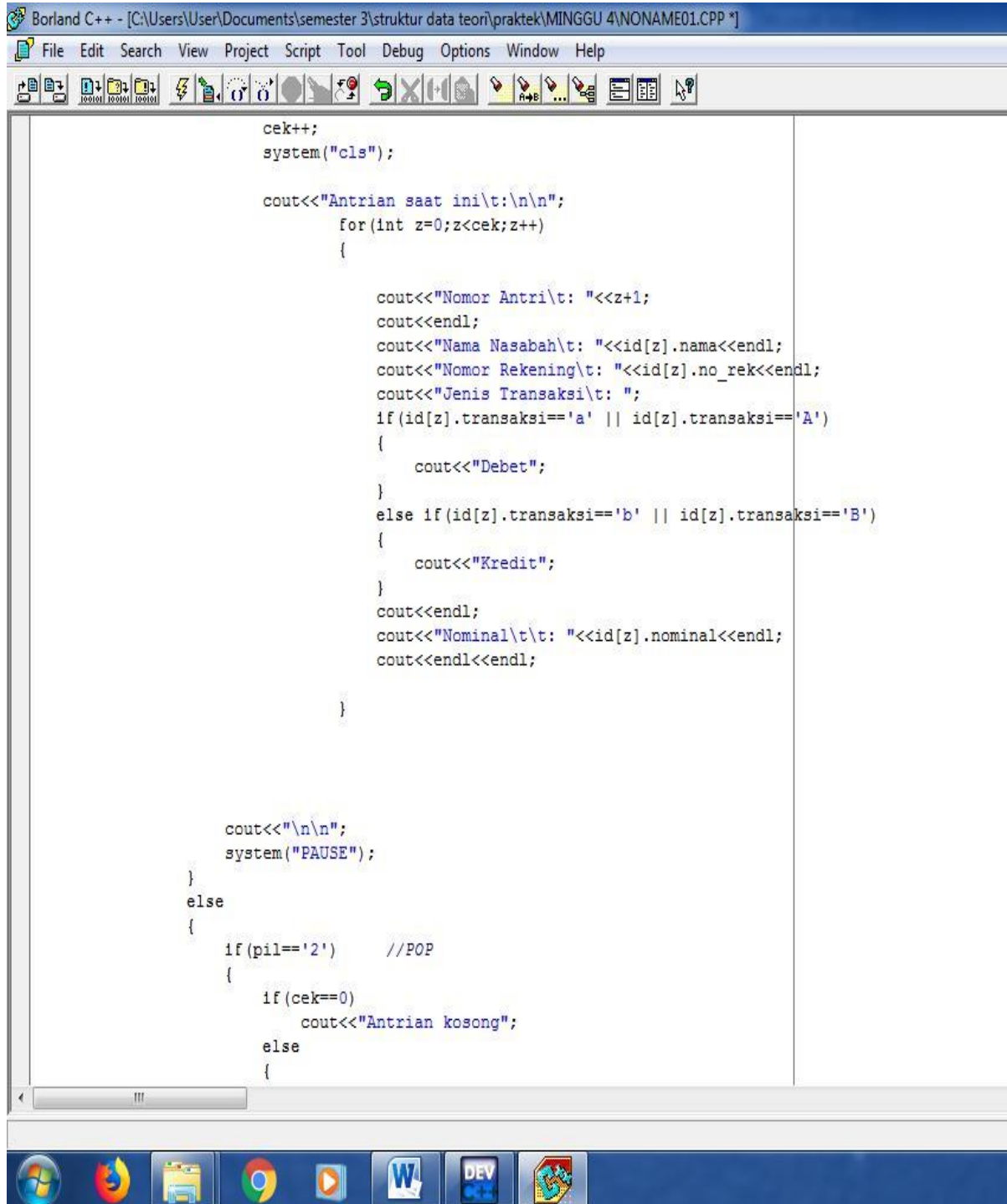
```
{
    cout<<"Anda salah memasukkan pilihan\n\n";
    system("PAUSE");
}

else
{
    if (pil=='1') //PUSH
    {
        if (cek==15 && y==15)
        {
            cout<<"ANTRIAN PENUH!!!";
        }

        cout<<endl;
        system("cls");
        cout<<"Nama Nasabah\t: ";
        cin>>id[cek].nama;
        cout<<"Nomor Rekening\t: ";
        cin>>id[cek].no_rek;
        ulang:
        cout<<"Jenis Transaksi\t: \n";
        cout<<"\t: A.Debet\n";
        cout<<"\t B.Kredit\n"<<"Pilih\t: ";
        cin>>id[cek].transaksi;
        if (id[cek].transaksi=='a' || id[cek].transaksi=='A' || id[cek].transaksi=='b' || id[cek].transaksi=='B')
        {
            cout<<"Nominal\t\t: ";
            cin>>id[cek].nominal;
        }
        else
        {
            cout<<"\n\nAnda Salah Memilih Jenis Transaksi\n\n";
            cout<<"\n\n";
            goto ulang;
        }

        cout<<endl;
        cek++;
        system("cls");
    }
}
```

(PICTURE 3)



The image shows a screenshot of a Borland C++ IDE. The title bar reads "Borland C++ - [C:\Users\User\Documents\semester 3\struktur data teori\praktek\MINGGU 4\NONAME01.CPP \*]". The menu bar includes File, Edit, Search, View, Project, Script, Tool, Debug, Options, Window, and Help. The toolbar contains various icons for file operations, editing, and debugging. The main window displays the following C++ code:

```
cek++;
system("cls");

cout<<"Antrian saat ini\t:\n\n";
for(int z=0;z<cek;z++)
{

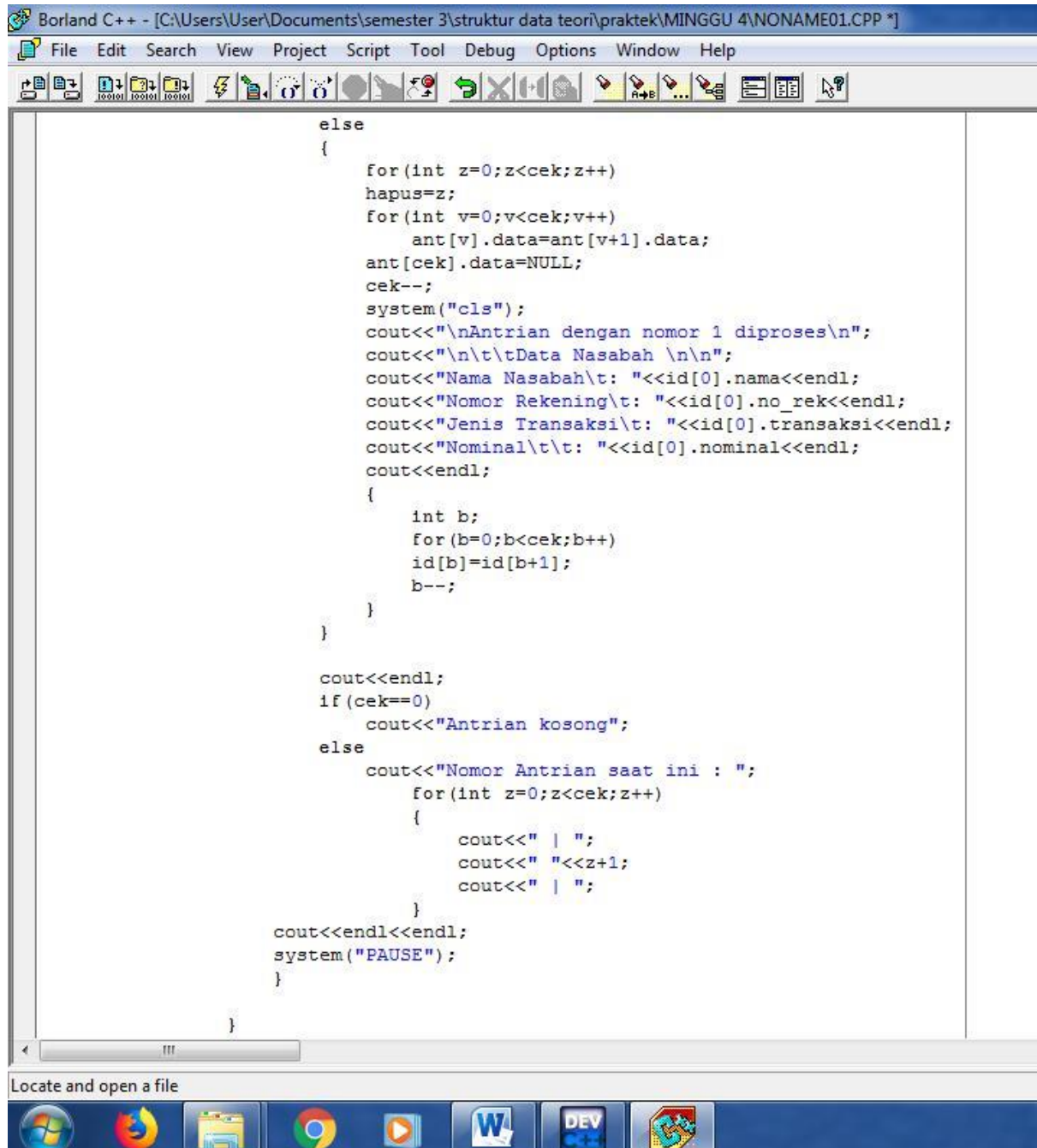
    cout<<"Nomor Antri\t: "<<z+1;
    cout<<endl;
    cout<<"Nama Nasabah\t: "<<id[z].nama<<endl;
    cout<<"Nomor Rekening\t: "<<id[z].no_rek<<endl;
    cout<<"Jenis Transaksi\t: ";
    if(id[z].transaksi=='a' || id[z].transaksi=='A')
    {
        cout<<"Debet";
    }
    else if(id[z].transaksi=='b' || id[z].transaksi=='B')
    {
        cout<<"Kredit";
    }
    cout<<endl;
    cout<<"Nominal\t\t: "<<id[z].nominal<<endl;
    cout<<endl<<endl;

}

cout<<"\n\n";
system("PAUSE");
}
else
{
    if(pil=='2')    //POP
    {
        if(cek==0)
            cout<<"Antrian kosong";
        else
        {
```

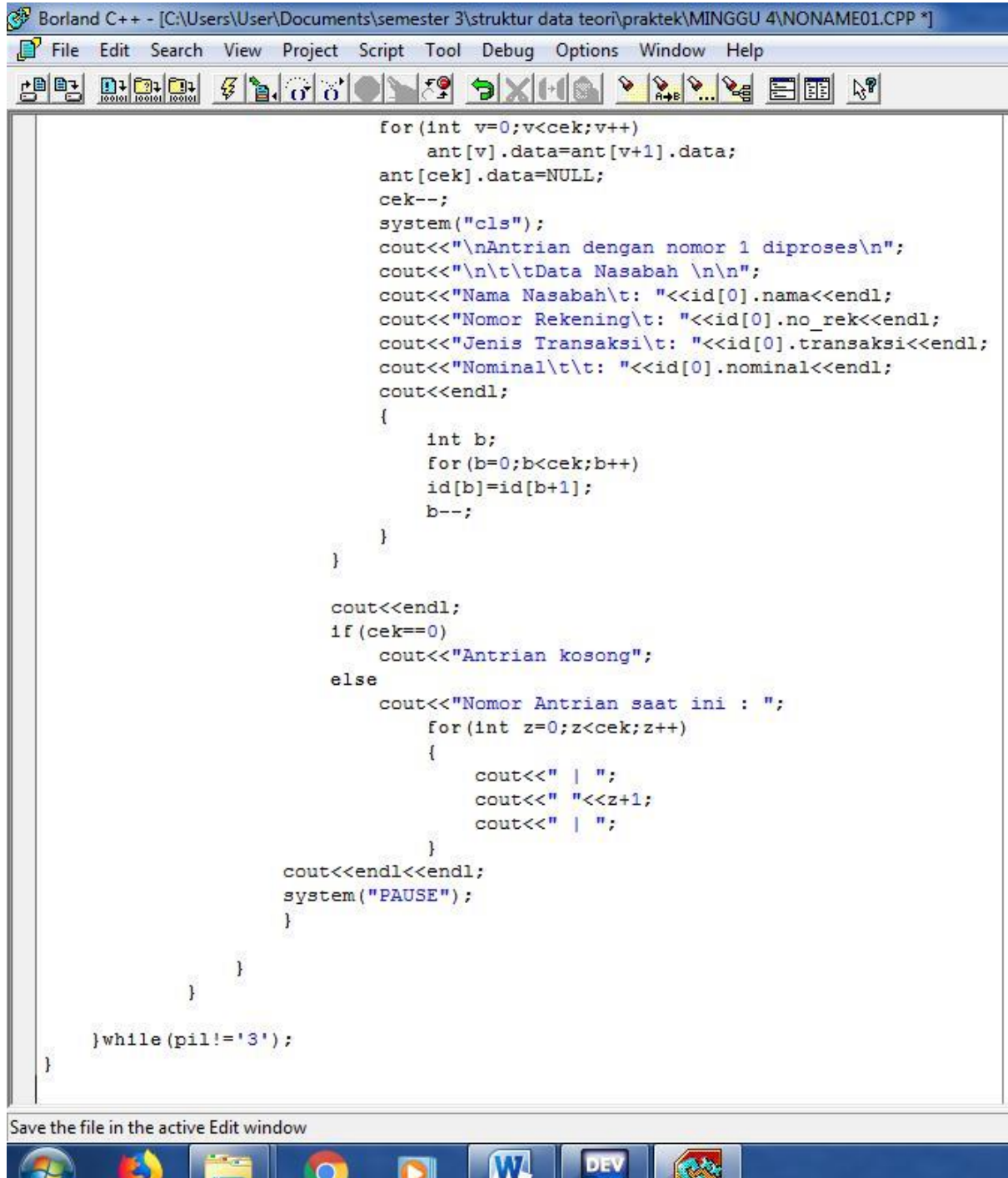
The Windows taskbar at the bottom shows icons for Windows Explorer, Firefox, File Explorer, Google Chrome, VLC media player, Microsoft Word, a folder named "DEV", and the Borland C++ IDE.

(PICTURE 4 )





(PICTURE 5)



```
Borland C++ - [C:\Users\User\Documents\semester 3\struktur data teori\praktek\MINGGU 4\NONAME01.CPP *]
File Edit Search View Project Script Tool Debug Options Window Help

for (int v=0;v<cek;v++)
    ant[v].data=ant[v+1].data;
ant[cek].data=NULL;
cek--;
system("cls");
cout<<"\nAntrian dengan nomor 1 diproses\n";
cout<<"\n\t\tData Nasabah \n\n";
cout<<"Nama Nasabah\t: "<<id[0].nama<<endl;
cout<<"Nomor Rekening\t: "<<id[0].no_rek<<endl;
cout<<"Jenis Transaksi\t: "<<id[0].transaksi<<endl;
cout<<"Nominal\t\t: "<<id[0].nominal<<endl;
cout<<endl;
{
    int b;
    for(b=0;b<cek;b++)
        id[b]=id[b+1];
    b--;
}

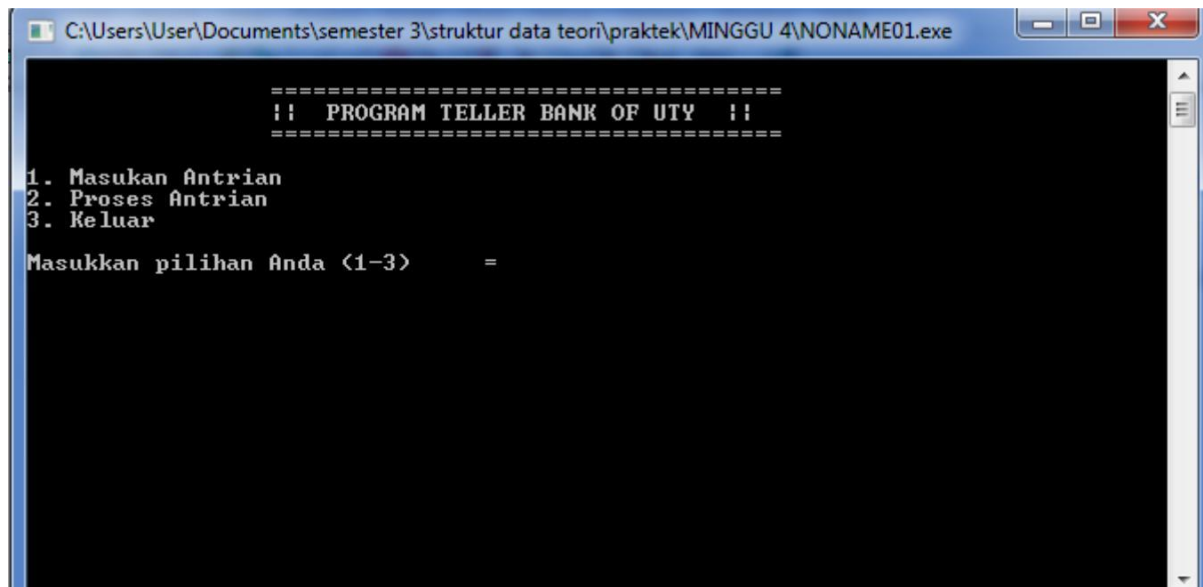
cout<<endl;
if(cek==0)
    cout<<"Antrian kosong";
else
    cout<<"Nomor Antrian saat ini : ";
    for(int z=0;z<cek;z++)
    {
        cout<<" | ";
        cout<<" "<<z+1;
        cout<<" | ";
    }
cout<<endl<<endl;
system("PAUSE");
}

}

}while (pil!='3');
```

Save the file in the active Edit window

## HASIL OUTPUT

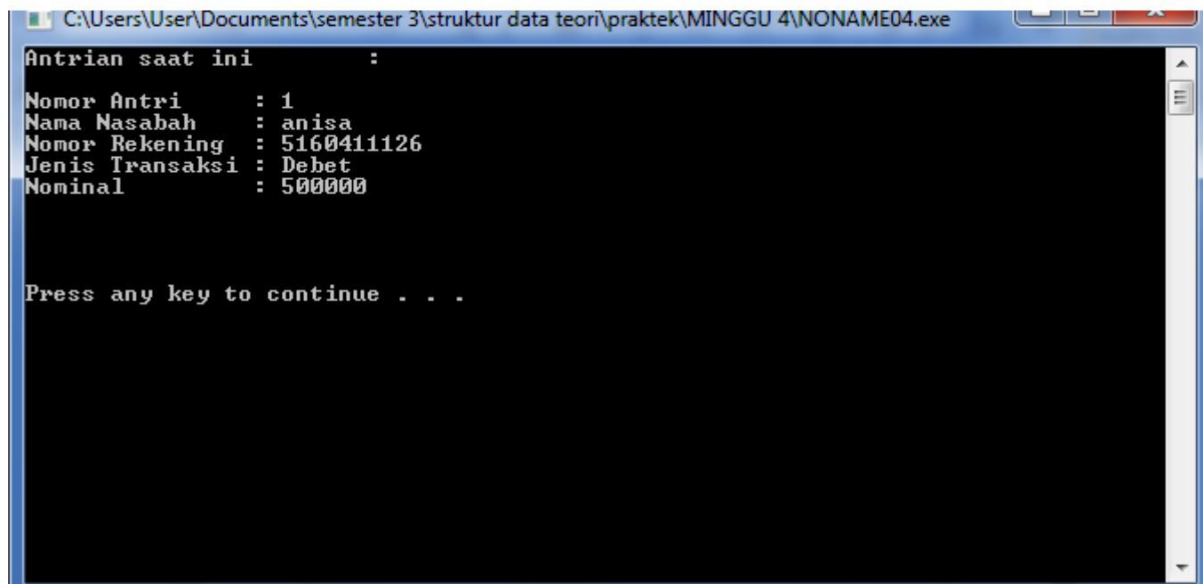


```
C:\Users\User\Documents\semester 3\struktur data teori\praktek\MINGGU 4\NONAME01.exe

=====
!!  PROGRAM TELLER BANK OF UTY  !!
=====

1. Masukan Antrian
2. Proses Antrian
3. Keluar

Masukkan pilihan Anda <1-3>      =
```



```
C:\Users\User\Documents\semester 3\struktur data teori\praktek\MINGGU 4\NONAME04.exe

Antrian saat ini      :
Nomor Antri          : 1
Nama Nasabah         : anisa
Nomor Rekening       : 5160411126
Jenis Transaksi      : Debet
Nominal              : 500000

Press any key to continue . . .
```

