**Praktikum Topik 11 (Praktikum Fungsi02) :**

Output program :



Setelah diisi, dicetak dengan hasil :



Tambahkan kode program berikut, sehingga semua isian dapat diinputkan !

Kode Program :

 #include <iostream.h>

 #include <conio.h>

 #include <stdio.h>

 **// membuat variabel struct...............................**

 struct spegawai

 {

 int nip;

 char nama[30];

 char bagian[15];

 int anak;

 int gaji;

 };

 **//mendefinisikan var. pegawai dengan struct spegawai....**

 spegawai pegawai[10];

 //var data....

 int indexdata = 0;

 int klm;

 int brs;

 int klmisi = 38;

 char isiket[30];

 **// fungsi cetak garis........................**

 void garis()

 {

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

 }

 **// fungsi cetak judul........................**

 void cetakTampilan()

 {

 clrscr();

 klm = 20;

 brs = 3;

 gotoxy(klm, brs++);cout << "Isi Data Pegawai" << endl;

 gotoxy(klm, brs++);garis();

 gotoxy(klm, brs++); cout << "1. N I P : ........ ";

 gotoxy(klm, brs++); cout << "2. Nama : ......................... ";

 gotoxy(klm, brs++); cout << "3. Bagian : ............... ";

 gotoxy(klm, brs++); cout << "4. Anak : ... ";

 gotoxy(klm, brs++); cout << "5. Gaji : .......... ";

 gotoxy(klm, brs+=3); cout << "Isi data lagi [y/t] : ";

 }

 **//cetak keterangan.......................**

 void ketisi()

 {

 gotoxy(klm, 20); cout << " ";

 gotoxy(klm, 20); cout << isiket;

 }

 **//isi nip.......................**

 void isiNip()

 {

 strcpy(isiket,"Maukkan nip 9000 s/d 99999");

 ketisi();

 brs = 5;

 gotoxy(klmisi, brs); cout << "........ ";

 gotoxy(klmisi, brs); cin >> pegawai[indexdata].nip;

 if ((pegawai[indexdata].nip < 9000) || (pegawai[indexdata].nip > 99999))

 isiNip();

 }

 **//isi nama.......................**

 void isiNama()

 {

 strcpy(isiket,"Maukkan nama min 5 charakter !");

 ketisi();

 brs = 6;

 gotoxy(klmisi, brs); cout << "......................... ";

 gotoxy(klmisi, brs); gets(pegawai[indexdata].nama);

 //mmengecek jumlah karakter nama.....

 int jumlah=0;

 for (int x=0;pegawai[indexdata].nama[x];x++)

 jumlah++;

 //jika karakter nama kurang dari 5 huruf isi lagi

 if (jumlah < 5)

 isiNama();

 }

 //isi bagian, anak dan gaji buat sendiri .......................

 **void isiBagian()**

 {

 //buat sendiri ya.....

 }

 **//cetak data............................................**

 void cetakdata()

 {

 int no;

 int jmldata = indexdata;

 clrscr();

 cout << "Data pegawai " << endl;

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

 cout << " No Nip Nama " << endl;

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

 for (int ndata=0; ndata<jmldata; ndata++)

 {

 no = ndata + 1;

 cout << " " << no << "\t";

 cout << pegawai[ndata].nip << "\t";

 cout << pegawai[ndata].nama << "\t";

 cout << "dan seterusnya" << "\t";

 cout << endl;

 }

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

 getch();

 }

 ***//program utama............................................***

 void main()

 {

 // membuat variabel lokal............................

 char lagi[1] = "y";

 **while (true)**

 {

 cetakTampilan();

 //isi data........................

 **isiNip();**

 **isiNama();**

 //untuk isian yg lain tambahkan sendiri ya.......

 //lokasi index ditambah satu......

 //setelah simpan data.............

 indexdata++;

 gotoxy(44, 13); cin >> lagi;

 if (strcmp(lagi,"t")==0)

 break;

 }

 //cetak data......................

 **cetakdata();**

 }