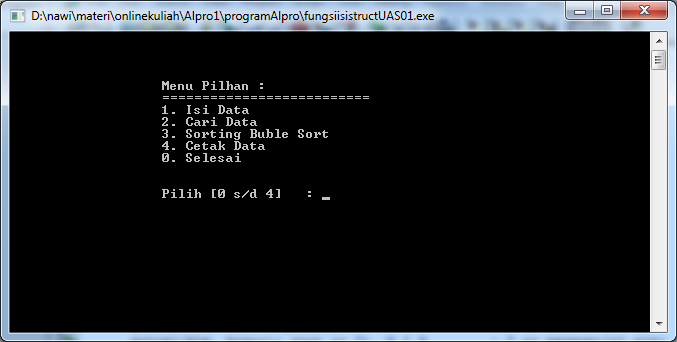
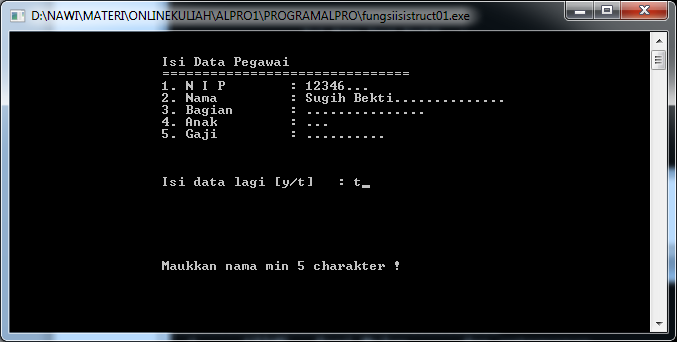
**Praktikum Topik 12 (Praktikum Fungsi03) :**

Output program :

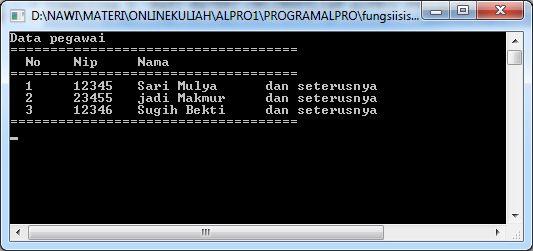
Menu Program



Input Data



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 << "Sudah benar [Enter] : ";

}

//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();

}

//menu program............................................

void menuNIM()

{

clrscr();

klm = 20;

brs = 5;

gotoxy(klm, brs++);cout << "Menu Pilhan :";

gotoxy(klm, brs++);cout << "==========================";

gotoxy(klm, brs++);cout << "1. Isi Data";

gotoxy(klm, brs++);cout << "2. Cari Data";

gotoxy(klm, brs++);cout << "3. Sorting Buble Sort";

gotoxy(klm, brs++);cout << "4. Cetak Data";

gotoxy(klm, brs++);cout << "0. Selesai";

brs += 2;

gotoxy(klm, brs++);cout << "Pilih [0 s/d 4] : ";

}

//fungsi Isi Data...........................................

void isiData()

{

cetakTampilan();

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

isiNip();

isiNama();

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

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

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

indexdata++;

gotoxy(44, 13); getche();

}

//fungsi cari Data....................................

//menggunakan protiping function......................

void cariData();

//detail isi fungsi ditaruh setelah main()............

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

void main()

{

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

int pilih;

while (true)

{

menuNIM();

gotoxy(40, 14); cin >> pilih;

switch (pilih)

{

case 1:

isiData();

break;

case 2:

cariData();

break;

case 3:

cariData();

break;

case 4:

cetakData();

break;

default :

break;

} //tutup switch.............

if (pilih==0)

break;

} //tutup while................

} //tutup main......................

//menggunakan teknik prototyping function..................

//fungsi Cari Data...........................................

void cariData()

{

cetakTampilan();

//isikan nip yg dicari........................

int xcari;

gotoxy(klmisi, 5); cin >> xcari;

//cari data.......................

int c = 0;

int xdata = indexdata;

while ( c < xdata)

{

if (xcari == pegawai[c].nip)

{

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

klm = 20;

brs = 3;

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

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

gotoxy(klm, brs++); cout << "1. N I P : " << pegawai[c].nip;

gotoxy(klm, brs++); cout << "2. Nama : " << pegawai[c].nama;

brs += 3;

gotoxy(klm, brs+=3);

break;

}

c++;

}

if (c == xdata)

{

//data tidak ditemukan.................

gotoxy(klm, 13);

cout << "Data Tidak Ditemukan !";

}

getche();

} //tutup cari data...............................