


FILE SEQUENTIAL (LANJUTAN)

- Penyalinan File
 - Penggabungan File
 - Pemutakhiran File
- 

PENYALINAN FILE

MENYALIN_ARSIP_MAHASISWA KAMUS

Type DataMhs : record <NIM: integer, Nama: string, IPK: real>

Type ArsipMhs : SeqFile of DataMhs

MHS, MHS_BARU : ArsipMhs

RekMhs : DataMhs

function MARK (input lokalRekMhs: DataMhs) → boolean

ALGORITMA

OPEN (MHS, 1)

OPEN (MHS_BARU, 2)

FREAD (MHS, RekMhs)

While Not MARK (RekMhs) do

 FWRITE (MHS_BARU, RekMhs)

 FREAD (MHS, RekMhs)

endwhile

FWRITE (MHS_BARU, <9999999, 'xxx', 9.99>)

CLOSE (MHS)

CLOSE (MHS_BARU)

PENGGABUNGAN FILE

Arsip MHS1

10106001	Adi	2.50
10106004	Fitria	3.45
10106005	Dewi	3.56
10106006	Andrie	2.76
10106008	Cahyo	3.00
10106010	Anton	3.12
9999999	xxx	9.99

Arsip MHS2

10106003	Irwanti	3.10
10106009	Melati	2.45
10106014	Guntur	3.37
9999999	xxx	9.99

Arsip MHS3

10106001	Adi	2.50
10106004	Fitria	3.45
10106005	Dewi	3.56
10106006	Andrie	2.76
10106008	Cahyo	3.00
10106010	Anton	3.12
10106003	Irwanti	3.10
10106009	Melati	2.45
10106014	Guntur	3.37
9999999	xxx	9.99

Menyambung 2 File

PENGGABUNGAN FILE [→]

MENYAMBUNG_DUA_ARSIP_MAHASISWA

KAMUS

Type DataMhs : record <NIM: integer, Nama: string, IPK: real>

Type ArsipMhs : SeqFile of DataMhs

MHS1, MHS2, MHS3 : ArsipMhs

RekMhs : DataMhs

function MARK (input lokalRekMhs: DataMhs) → boolean

ALGORITMA

OPEN (MHS1, 1)

OPEN (MHS2, 1)

OPEN (MHS3, 2)

FREAD (MHS1, RekMhs)

While Not MARK (RekMhs) do

 FWRITE (MHS3, RekMhs)

 FREAD (MHS1, RekMhs)

endwhile

FREAD (MHS2, RekMhs)

While Not MARK (RekMhs) do

 FWRITE (MHS3, RekMhs)

 FREAD (MHS2, RekMhs)

endwhile

FWRITE (MHS3, <9999999, 'xxx', 9.99>)

CLOSE (MHS1)

CLOSE (MHS2)

CLOSE (MHS3)

PENGGABUNGAN FILE [→]

Arsip MHS1

10106001	Adi	2.50
10106004	Fitria	3.45
10106005	Dewi	3.56
10106006	Andrie	2.76
10106008	Cahyo	3.00
10106010	Anton	3.12
9999999	xxx	9.99

Arsip MHS2

10106003	Irwanti	3.10
10106009	Melati	2.45
10106014	Guntur	3.37
9999999	xxx	9.99

Arsip MHS3

10106001	Adi	2.50
10106003	Irwanti	3.10
10106004	Fitria	3.45
10106005	Dewi	3.56
10106006	Andrie	2.76
10106008	Cahyo	3.00
10106009	Melati	2.45
10106010	Anton	3.12
10106014	Guntur	3.37
9999999	xxx	9.99

Menggabung 2 File Terurut

PENGGABUNGAN FILE [→]

MENGGABUNG_DUA_ARSIP_MAHASISWA KAMUS

Type DataMhs : record <NIM: integer, Nama: string, IPK: real>

Type ArsipMhs : SeqFile of DataMhs

MHS1, MHS2, MHS3 : ArsipMhs

RekMhs1, RekMhs2 : DataMhs

function MARK (input lokalRekMhs: DataMhs) → boolean

ALGORITMA

OPEN (MHS1, 1)

OPEN (MHS2, 1)

OPEN (MHS3, 2)

FREAD (MHS1, RekMhs1)

FREAD (MHS2, RekMhs2)

```
While (Not MARK (RekMhs1)) AND (Not MARK (RekMhs2)) do  
    if (RekMhs1 <= RekMhs2) Then  
        FWRITE (MHS3, RekMhs1)  
        FREAD (MHS1, RekMhs1)  
    else  
        FWRITE (MHS3, RekMhs2)  
        FREAD (MHS2, RekMhs2)  
    endif  
endwhile
```

```
While Not MARK (RekMhs1) do  
    FWRITE (MHS3, RekMhs1)  
    FREAD (MHS1, RekMhs1)  
endwhile
```

```
While Not MARK (RekMhs2) do  
    FWRITE (MHS3, RekMhs2)  
    FREAD (MHS2, RekMhs2)  
endwhile
```

FWRITE (MHS3, <99999999, 'xxx', 9.99>)

CLOSE (MHS1)

CLOSE (MHS2)

CLOSE (MHS3)

PEMUTAKHIRAN FILE

Langkah-langkah:

1. Buka **file asli** untuk dibaca
2. Buka **file bantuan** untuk ditulis
3. Baca seluruh rekaman dalam **file asli**
4. Tulis seluruh rekaman tersebut dalam **file bantuan**
5. Baca data (rekaman) baru dari piranti masukan
6. Tuliskan data baru tersebut ke **file bantuan**
7. Buka **file bantuan** untuk dibaca
8. Buka **file asli** untuk ditulis
9. Baca seluruh rekaman dalam **file bantuan**
10. Tulis seluruh rekaman tersebut ke **file asli**

PEMUTAKHIRAN FILE [→]

MENAMBAH_DATA_ARSIP_MAHASISWA

KAMUS

Type DataMhs : record <NIM: integer, Nama: string, IPK: real>

Type ArsipMhs : SeqFile of DataMhs

MHS, MHS_BANTUAN : ArsipMhs

RekMhs : DataMhs

function MARK (input lokalRekMhs: DataMhs) → boolean

ALGORITMA

OPEN (MHS, 1)

OPEN (MHS_BANTUAN, 2)

FREAD (MHS, RekMhs)

While Not MARK (RekMhs) do

FWRITE (MHS_BANTUAN, RekMhs)

FREAD (MHS, RekMhs)

endwhile

CLOSE (MHS)

input (RekMhs.NIM)

While (RekMhs.NIM <> 9999999) do

input (RekMhs>Nama)

input (RekMhs.IPK)

FWRITE (MHS_BANTUAN, RekMhs)

input (RekMhs.NIM)

endwhile

FWRITE (MHS_BANTUAN, <9999999, 'xxx', 9.99>)

CLOSE (MHS_BANTUAN)

OPEN (MHS_BANTUAN, 1)

OPEN (MHS, 2)

FREAD (MHS_BANTUAN, RekMhs)

While Not MARK (RekMhs) do

FWRITE (MHS, RekMhs)

FREAD (MHS_BANTUAN, RekMhs)

endwhile

FWRITE (MHS, <9999999, 'xxx', 9.99>)

CLOSE (MHS_BANTUAN)

CLOSE (MHS)