ALGORITMA DAN STRUKTUR DATA UTS



DZULFIKAR MUHAMMAD AL GHIFARI 2341760071 D-IV SISTEM INFORMASI BISNIS

JURUSAN TEKNOLOGI INFORMASI POLITEKNIK
NEGERI MALANG
2024

REKENING

Membuat class dan construktornya

Menambahkan method tambah

Menambahkan method getData dan tampiilALI

```
Rekenings0{| getData(){
    return data;
}

Codeium Refactor | Explain | Generate Javadoc | ×
woid tampliAll() ||
    system.out.println();
    system.out.println();
    system.out.println(x:"No Rekening");
    system.out.println(x:"No Rekening \t Nama \t Nama Ibu \t Phone \t Email");
    for (Rekenings8 d : data) {
        if(d != null){
            system.out.println(d.noRekening="\t"=d.nama="\t"=d.namaIbu="\t"=d.phone="\t"=d.email);
        }
        system.out.println(d.noRekening="\t"=d.nama="\t"=d.namaIbu="\t"=d.phone="\t"=d.email);
    }
    system.out.println();
```

Menambahkan method sortByName

TRANSAKSI

Membuat class dan construktornya

```
double saldo, saldoAwal, saldoAkhir;
String tanggalTransaksi, type;

public Transaksia8(double saldo, double saldoAwal, double saldoAkhir, String tanggalTransaksi, String type) {
    this.saldo = saldo;
    this.saldoAwal;
    this.saldoAkhir = saldoAkhir;
    this.tanggalTransaksi = tanggalTransaksi;
    this.type = type;
}
```

Membuat method tambah, getData dan UpdateData

```
void tambah(Transaksi08 d) {
    if (idx < data.length) {
        data[idx] = d;
        idx++;
    } else {
        System.out.println(x:"Data sudah penuh!!");
    }
}
Codeium: Refactor | Explain | Generate Javadoc | ×
Transaksi08[] getData(){
    return data;
}
Codeium: Refactor | Explain | Generate Javadoc | ×
void updateData(Transaksi08 dataUpdate[]) {
    data = dataUpdate;
}</pre>
```

Membuat method tampil

Membuat method showdatalessthan

```
word showDataSaldoLessThan(int threshold, Rekening08 datacust[] ) {
    int min = threshold;
    System.out.println();
    System.out.println()*
    System.out.println()*
    System.out.println()*
    System.out.println()**
    int i = 0; i < idx; i = 0;
        i = 0; i < idx; i = 0;
        i = 0; i < idx; i = 0;
        i = 0; i < idx; i = 0;
        i = 0; i < idx; i = 0;
        i = 0; i < idx; i = 0;
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        i = 0; i < idx; i = 0;
        i = 0; i < idx; i = 0;
        i = 0; i < idx; i = 0;
        i = 0; i < idx; i = 0;
        i = 0; i < idx; i = 0;
        i = 0; i <
```

MAIN

Membuat class main dan instansiansi

```
Codelum: Refactor | Explain

> public class Main88 {
    Run | Debug | Codelum: Refactor | Explain | Generate Javadoc | ×
    public static void main(string[] args) {
        Scanner input = new Scanner(System.in);

        Rekening08 rekening08 = new Rekening08();
        Transaksi08 transaksi08 = new Transaksi08();
```

Melakukan insert data

```
rekening08.tambah(new Rekening08(noRekening:"16030927 3084",nama:"Wallace",namaIbu:"Chase Castro",
phone:"1-458-264-3263",email:"ligula.Nullam@tacitisociosqu.edu"));
rekening08.tambah(new Rekening08(noRekening:"16100617 0573",nama:"Oarius",namaIbu:"Julian Daniel",
phone:"1-357-043-0647",email:"nec@lectusjusto.org"));
rekening08.tambah(new Rekening08(noRekening:"16240401 2243",nama:"Fuller",namaIbu:"Finn Dunlap",phone:"571-7062",
email:"convallis@vestibulumanteipsum.org"));
rekening08.tambah(new Rekening08(noRekening:"16270525 0112",nama:"Malcolm",namaIbu:"Keane Floyd",phone:"623-0234",
email:"porttitor.tellus.non@curabitur.ca"));
rekening08.tambah(new Rekening08(noRekening:"16971204 2416",nama:"Geoffrey",namaIbu:"Stephen Pratt",
phone:"1-683-416-8323",email:"ut.pellentesque@luctusutpellentesque.com"));

// insert Transaction
transaksi08.tambah(new Transaksi08(saldo:205420,saldoAwal:494048,saldoAkhir:3587,tanggalTransaksi."2021-03-09
07:54:42", "active"));
transaksi08.tambah(new Transaksi08(saldo:205420,saldoAwal:350929,saldoAkhir:3587,tanggalTransaksi."2021-06-25
10:23:00", "active"));
transaksi08.tambah(new Transaksi08(saldo:230659,saldoAwal:204434,saldoAkhir:690503,tanggalTransaksi."2021-09-18
23:00:04", "active"));
transaksi08.tambah(new Transaksi08(saldo:230659,saldoAwal:204434,saldoAkhir:690503,tanggalTransaksi."2022-02-02
19:10:34", "active"));
transaksi08.tambah(new Transaksi08(saldo:770592,saldoAwal:334245,saldoAkhir:444267,tanggalTransaksi."2022-02-02
19:10:34", "active"));
transaksi08.tambah(new Transaksi08(saldo:770592,saldoAwal:334245,saldoAkhir:444267,tanggalTransaksi."2020-08-11
13:36:56", "active"));
```

Membuat list menu

HASIL COMPILE SISTEM INFORMASI PERBANKAN DZULFIKAR 08 1. Tampilkan Data Rekening 2. Tampilkan Data Transaksi 3. Mencari Saldo > 750000 4. Sorting By Name 5. Keluar Pilih [1-5] : 1 Data Rekening No Rekening Nama Nama Ibu Phone Email 16030927 3084 Wallace Chase Castro 1-458-264-3263 ligula.Nullam@tacitisociosqu.edu 16100617 0573 Darius Julian Daniel 1-357-843-0547 nec@lectusjusto.org 16240401 2243 Fuller Finn Dunlap 571-7062 convallis@Vestibulumanteipsum.org 16270525 0112 Malcolm Keane Floyd 623-0234 porttitor.tellus.non@Curabitur.ca 16971204 2416 Geoffrey Stephen Pratt 1-683-416-8323 ut.pellentesque@luctusutpellentesque.com SISTEM INFORMASI PERBANKAN DZULFIKAR 08 1. Tampilkan Data Rekening 2. Tampilkan Data Transaksi 3. Mencari Saldo > 750000 4. Sorting By Name 5. Keluar Pilih [1-5]: 2 Data Transaksi Saldo Saldo Awal Saldo Akhir No Rekening Tanggal Transaksi 16030927 3084 898214.0 494048.0 3587.0 2021-03-09 07:54:42 16100617 0573 205420.0 200162.0 775880.0 2021-06-25 10:23:00 350929.0 328316.0 16240401 2243 838632.0 2021-09-18 23:00:04 16270525 0112 230659.0 690503.0 2022-02-02 19:10:34 204434.0 16971204 2416 770592.0 334245.0 444267.0 2020-08-11 13:36:56 SISTEM INFORMASI PERBANKAN DZULFIKAR 08

- 1. Tampilkan Data Rekening
- Tampilkan Data Transaksi
- 3. Mencari Saldo > 750000
- 4. Sorting By Name
- 5. Keluar

Pilih [1-5] : 3

Data Filter Saldo Kurang Dari750000

No Rekening	Saldo	Saldo Awal	Saldo Akhir	Tanggal Transaksi	
16100617 0573	205420.0	200162.0	775880.0	2021-06-25	10:23:00
16270525 0112	230659.0	204434.0	690503.0	2022-02-02	19:10:34

SISTEM INFORMASI PERBANKAN DZULFIKAR 08

- 1. Tampilkan Data Rekening
- 2. Tampilkan Data Transaksi
- 3. Mencari Saldo > 750000
- 4. Sorting By Name
- 5. Keluar

Pilih [1-5]: 4

Data Rekening

No Rekening Nama Nama Ibu Phone Email
16100617 0573 Darius Julian Daniel 1-357-843-0547 nec@lectusjusto.org
16240401 2243 Fuller Finn Dunlap 571-7062 convallis@Vestibulumanteipsum.org
16971204 2416 Geoffrey Stephen Pratt 1-683-416-8323 ut.pellentesque@luctusutpellentesque.com

16270525 0112 Malcolm Keane Floyd 623-0234 porttitor.tellus.non@Curabitur.ca 16030927 3084 Wallace Chase Castro 1-458-264-3263 ligula.Nullam@tacitisociosqu.edu

SISTEM INFORMASI PERBANKAN DZULFIKAR 08

1. Tampilkan Data Rekening

- 2. Tampilkan Data Transaksi
- 3. Mencari Saldo > 750000
- 4. Sorting By Name
- 5. Keluar

Pilih [1-5] : 5

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