



NAMA : Aqsa Herry Prastyo
NIM : 2341720153
NO ABSEN : 04
KELAS : 1C
MATERI : UTS 1 SMT 2

LAPORAN PRAKTIKUM ALGORITMA DAN STRUKTUR DATA

FILE NAME =ABSEN_NAME _CLASS_P1

* Pertemuan mengikuti pertemuan ke berapa

UTS

Menu 1:

```
public class Bank04 {
    String noRekening;
    String nama;
    String namaIbu;
    String noHp;
    String email;

    Bank04(String noRekening, String nama, String namaIbu, String noHp, String email){
        this.noRekening = noRekening;
        this.nama = nama;
        this.namaIbu = namaIbu;
        this.noHp = noHp;
        this.email = email;
    }

    public void tampilDataNorek(){
        System.out.println(x:"=====");
        System.out.printf(format:"|%-12s| %-20s| %-20s| %-8s| %10s| %n", ...args:"No Rekening", "Nama", "NamaIbu",
        System.out.printf(format:"|%-12s| %-20s| %-20s| %-8s| %10s| %n", noRekening, nama, namaIbu, noHp, email);
    }

    Bank04 listRek = new Bank04(noRekening:"16030927 3084", nama:"Wallace", namaIbu:"Mei Mei", noHp:"082-458-264-326");
    Bank04 listRek1 = new Bank04(noRekening:"16100617 0573", nama:"Darius", namaIbu:"Susanti", noHp:"081-375-843-054");
    Bank04 listRek2 = new Bank04(noRekening:"16240401 2243", nama:"Fuller", namaIbu:"Rosalia", noHp:"085-556-712-706");
    Bank04 listRek3 = new Bank04(noRekening:"16270525 0112", nama:"Maria", namaIbu:"Krabela", noHp:"082-267-223-0234");
    Bank04 listRek4 = new Bank04(noRekening:"16101617 2416", nama:"Gezy", namaIbu:"Fatimah", noHp:"083-683-416-8323");

    data.tambah(listRek);
    data.tambah(listRek1);
    data.tambah(listRek2);
    data.tambah(listRek3);
    data.tambah(listRek4);

    while (true) {
        System.out.println(x:"\nMenu");
        System.out.println(x:"1. Data Norek");
        System.out.println(x:"2. Data transaksi");
        System.out.println(x:"3. Search Data");
        System.out.println(x:"4. Display min/max Saldo");
        System.out.println(x:"5. Sort Data");
        System.out.println(x:"6. Exit");
        System.out.print(s:"Chose Menu (1-6): ");
        int pilihan = scInt.nextInt();

        switch (pilihan) {
            case 1:
                data.tampil();
        }
    }
}
```

Ln 17, Col 100 Spaces: 2 UTF-8 CRLF {} J



NAMA : Aqsa Herry Prastyo
NIM : 2341720153
NO ABSEN : 04
KELAS : 1C
MATERI : UTS 1 SMT 2

```
Bank04 listBk[] = new Bank04[5];
int idx;

void tambah(Bank04 m){
    if (idx < listBk.length) {
        listBk[idx] = m;
        idx++;
    } else {
        System.out.println(x:"Data sudah penuh!");
    }
}

void tampil(){
    for (Bank04 m : listBk) {
        m.tampilDataNorek();
    }
}
```

```
Menu
1. Data Norek
2. Data transaksi
3. Search Data
4. Display min/max Saldo
5. Sort Data
6. Exit
Chose Menu (1-6): 1
=====
|No Rekening | Nama          | NamaIbu      | Nohp      | Email|
|16030927 3084| Wallace      | Mei Mei      | 082-458-264-3263| Wallace@gmail.com|
=====
|No Rekening | Nama          | NamaIbu      | Nohp      | Email|
|16100617 0573| Darius       | Susanti      | 081-375-843-0547| darius@pt.org|
=====
|No Rekening | Nama          | NamaIbu      | Nohp      | Email|
|16240401 2243| Fuller       | Rosalia      | 085-556-712-7062| fuller@mail.com|
=====
|No Rekening | Nama          | NamaIbu      | Nohp      | Email|
|16270525 0112| Maria        | Krabela      | 082-267-223-0234| maria@gmail.com|
=====
|No Rekening | Nama          | NamaIbu      | Nohp      | Email|
|16101617 2416| Gery         | Fatimah      | 083-683-416-8323| gery@gery.com|
=====
Menu
1. Data Norek
2. Data transaksi
3. Search Data
4. Display min/max Saldo
5. Sort Data
6. Exit
Chose Menu (1-6):
```



NAMA : Aqsa Herry Prastyo
NIM : 2341720153
NO ABSEN : 04
KELAS : 1C
MATERI : UTS 1 SMT 2

```
public class Transaksi04 {
    String kodeTransaksi;
    double saldo;
    double inOutSaldo;
    double finalSaldo;
    String tanggalTransaksi;
    String type;
    Bank04 bankAcc;
    String noRekening;

    Transaksi04(String kodeTransaksi, String noRekening, double saldo, double inOutSaldo, double finalSaldo, String tanggalTransaksi, String type, Bank04 bankAcc, String noRekening) {
        this.kodeTransaksi = kodeTransaksi;
        this.noRekening = noRekening;
        this.type = type;
        this.kodeTransaksi = kodeTransaksi;
        this.saldo = saldo;
        this.inOutSaldo = inOutSaldo;
        this.finalSaldo = finalSaldo;
        this.bankAcc = bankAcc;
    }

    public void tampilDataTransaksi() {
        System.out.printf(format: "%n %n %n %n %n %n", ...args: "Kode Transaksi", "No Rekening", "Saldo", "Debit/Kredit", "Tanggal Transaksi", "Type", "Bank", "No Rekening");
        System.out.printf(format: "%n %n %n %n %n %n", kodeTransaksi, noRekening, saldo, inOutSaldo, finalSaldo, tanggalTransaksi, type, bankAcc, noRekening);
    }
}
```

```
public class StakTransaksi04 {
    int Trs[];
    int size;
    int top;

    public StakTransaksi04() {
        this.size = 32;
        Trs = new int[size];
        top = -1;
    }

    public boolean isEmpty04() {
        return top == -1;
    }

    public boolean isFull04() {
        return top == size - 1;
    }

    public void push04(int data) {
        if (isFull04()) {
            System.out.println(x: "Stak penuh!");
        } else {
            top++;
        }
    }

    public void Searching() {}
    public void FindMax() {}
}
```



NAMA : Aqsa Herry Prastyo
NIM : 2341720153
NO ABSEN : 04
KELAS : 1C
MATERI : UTS 1 SMT 2

```
34 Trs = new Transaksi04(kodeTransaksi:"Tr005", noRekening:"16101617 2416", saldo:500000, inOutSaldo:2000  
34 Trs1 = new Transaksi04(kodeTransaksi:"Tr004", noRekening:"16270525 0112", saldo:500000, inOutSaldo:0,  
34 Trs2 = new Transaksi04(kodeTransaksi:null, noRekening:null, saldo:0, inOutSaldo:0, f...0, null, null);  
34 Trs3 = new Transaksi04(kodeTransaksi:null, noRekening:null, saldo:0, inOutSaldo:0, f...0, null, null);  
34 Trs4 = new Transaksi04(kodeTransaksi:null, noRekening:null, saldo:0, inOutSaldo:0, f...0, null, null);
```

```
public void Sorting(){  
    for (int i = 0; i < Trs.length - 1; i++) {  
        for (int j = 0; j < Trs.length - i - 1; j++) {  
            if (Trs[j].kodeTransaksi.compareTo(Trs[j + 1].kodeTransaksi) > 0) {  
                Transaksi04 temp = Trs[j];  
                Trs[j] = Trs[j + 1];  
                Trs[j + 1] = temp;  
            }  
        }  
    }  
}
```