

# Tugas 9

## Pemograman Berorientasi Objek



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# INTERFACE

## Interface CanDeposit

```
src > main > java > id > ac > unand > fti > si > pbo > CanDeposit.java >
1 package id.ac.unand.fti.si.pbo;
2
3 public interface CanDeposit {
4     void deposit(Integer jumlahDeposit);
5     Integer tarikTunai(Integer jumlahTarikTunai);
6     Integer cekSaldo();
7 }
8
```

## Interface CanGetDiskon

```
src > main > java > id > ac > unand > fti > si > pbo > CanGetDiskon.java > CanG
1 package id.ac.unand.fti.si.pbo;
2
3 public interface CanGetDiskon {
4     Integer hitungTotalBayar(Integer jumlahBelanja);
5 }
6
```

## Interface CanRequestCicilan

```
src > main > java > id > ac > unand > fti > si > pbo > CanRequestCicilan.java > CanRequestC
1 package id.ac.unand.fti.si.pbo;
2
3 public interface CanRequestCicilan {
4     Integer hitungCicilanPerBulan(Integer a, Integer b);
5 }
6
```

## Interface CanRequestDelivery

```
src > main > java > id > ac > unand > fti > si > pbo > CanRequestDelivery.java >
1 package id.ac.unand.fti.si.pbo;
2
3 public interface CanRequestDelivery {
4     Double hitungOngkir(Double jarakTujuan);
5 }
6
```

## Kelas Member

```

src > main > java > id > ac > unand > fti > si > pbo > MemberGold.java > MemberGold
1 package id.ac.unand.fti.si.pbo;
2
3 import javax.print.attribute.IntegerSyntax;
4
5 public class Member implements CanGetDiskon, CanDeposit, CanRequestCicilan, CanRequestDelivery {
6     protected Integer poin = 0;
7
8     public Integer getPoin(){
9         return poin;
10    }
11
12    public void redeemPoin(Integer hargaSouvenir){
13        this.poin = this.poin - hargaSouvenir;
14    }
15
16    protected Integer getBonusPoin(Integer totalBayar){
17        Integer poin = (int) (totalBayar / 10000);
18        return poin;
19    }
20    public Integer hitungTotalBayar(Integer jumlahBelanja){
21        return jumlahBelanja;
22    }
23    public Double hitungOngkir(Double jarakTujuan) {
24        throw new UnsupportedOperationException(message:"Unimplemented method 'hitungOngkir'");
25    }
26    public Integer hitungCicilanPerBulan(Integer a, Integer b) {
27        throw new UnsupportedOperationException(message:"Unimplemented method 'hitungCicilanPerBulan'");
28    }
29    public void deposit(Integer jumlahDeposit) {
30        throw new UnsupportedOperationException(message:"Unimplemented method 'deposit'");
31    }
32    public Integer tarikTunai(Integer jumlahTarikTunai) {
33        throw new UnsupportedOperationException(message:"Unimplemented method 'tarikTunai'");
34    }
35    public Integer cekSaldo() {
36        throw new UnsupportedOperationException(message:"Unimplemented method 'cekSaldo'");
37    }
38 }
39

```

## Kelas Member Gold

```

src > main > java > id > ac > unand > fti > si > pbo > MemberGold.java > MemberGold
1 package id.ac.unand.fti.si.pbo;
2
3 public class MemberGold extends Member{
4     public Integer saldo=0;
5
6     public Integer hitungTotalBayar(Integer k) {
7
8         if(k<=500_000){
9
10        }else if(k<=1_000_000){
11            k-=k*2/100;
12        }else if(k<=7_000_000){
13            k-=k*4/100;
14        }else{
15            k-=k*6/100;
16        }
17        poin += k/10_000;
18        return k;
19    }
20    public Double hitungOngkir(Double jarakTujuan) {
21        // TODO Auto-generated method stub
22        if(jarakTujuan<7){
23            return 0.0;
24        }else{
25            jarakTujuan=jarakTujuan-6;
26            Integer b = (int) jarakTujuan.doubleValue();
27            return b*1000.0;
28        }
29    }
30 }

```

## Kelas Member Platinum

```
src > main > java > id > ac > unand > fti > si > pbo > MemberPlatinum.java > MemberPlatinum.java
1 package id.ac.unand.fti.si.pbo;
2
3 public class MemberPlatinum extends Member {
4     public Integer saldo=0;
5     public MemberPlatinum (){}
6
7 }
8     public Integer hitungTotalBayar(Integer k) {
9
10         if(k<=500_000){
11
12         }else if(k<=1_000_000){
13             k-=k*3/100;
14         }else if(k<=7_000_000){
15             k-=k*5/100;
16         }else if(k<=10_000_000){
17             k-=k*7/100;
18         }else{
19             k-=k*9/100;
20         }
21         poin += k/10_000;
22         return k;
23     }
24     public Double hitungOngkir(Double jarakTujuan) {
25         // TODO Auto-generated method stub
26         if(jarakTujuan<10){
27             return 0.0;
28         }else{
29             jarakTujuan=jarakTujuan-9;
30             Integer b = (int) jarakTujuan.doubleValue();
31             return b*1000.0;
32         }
33     }
34     public Integer cekSaldo() {
35         // TODO Auto-generated method stub
36         return saldo;
37     }
38     public void deposit(Integer jumlahDeposit) {
39         saldo=jumlahDeposit;
40     }
41     public Integer tarikTunai(Integer jumlahTarikTunai) {
42         saldo -= jumlahTarikTunai;
43         return jumlahTarikTunai;
44     }
45 }
46
```

## Kelas Member Reguler

```
src > main > java > id > ac > unand > fti > si > pbo > MemberReguler.java
1 package id.ac.unand.fti.si.pbo;
2
3 public class MemberReguler extends Member{
4     public Integer saldo=0;
5
6     public Integer hitungTotalBayar(Integer k) {
7
8         if(k<=500_000){
9
10         }else if(k<=1_000_000){
11             k-=k*1/100;
12         }else if(k<=7_000_000){
13             k-=k*2/100;
14         }else{
15             k-=k*3/100;
16         }
17         poin += k/10_000;
18         return k;
19     }
20 }
21
```

## Kelas Member Silver

```
src > main > java > id > ac > unand > fti > si > pbo > MemberSilver.java > Mem
1  package id.ac.unand.fti.si.pbo;
2
3  public class MemberSilver extends Member {
4      public Integer saldo=0;
5
6      public Integer hitungTotalBayar(Integer k) {
7
8          if(k<=500_000){
9
10             }else if(k<=1_000_000){
11                 k-=k*1/100;
12             }else if(k<=7_000_000){
13                 k-=k*3/100;
14             }else{
15                 k-=k*5/100;
16             }
17             poin += k/10_000;
18             return k;
19         }
20
21     public Double hitungOngkir(Double jarakTujuan) {
22         // TODO Auto-generated method stub
23         if(jarakTujuan<5){
24             return 0.0;
25         }else{
26             jarakTujuan=jarakTujuan-4;
27             Integer b = (int) jarakTujuan.doubleValue();
28             return b*1500.0;
29         }
30     }
31 }
32
```

## Kelas Member Platinum

```

src > main > java > id > ac > unand > fti > si > pbo > MemberPlatinum.java > MemberP
2
3 //TODO: Modifikasi kelas berikut agar memenuhi skenario
4 public class MemberPlatinum extends Member {
5
6     private int saldo;
7
8     public int getSaldo(){
9         return saldo;
10    }
11    public void depositSaldo(Integer k){
12        this.saldo = k;
13    }
14    @Override
15    public Integer hitungTotalBayar(Integer totalBayar){
16        Integer k= totalBayar;
17        this.poin += k/10_000;
18        if(poin>2500){
19            if(k<500_000){
20                return k;
21            }
22            else if(k<1000_000){
23                this.poin -=3;
24                return k-k*3/100;
25            }
26            else if(k<10000000){
27                this.poin -=5;
28                return k-k*5/100;
29            }
30            this.poin -=7;
31            return k-k*7/100;
32        }
33        else{
34            this.poin = k/10000;
35            if(k<500000){
36                return k;
37            }
38            else if(k<1000000){
39                this.poin-=1;
40                return k-k/100;
41            }
42            else if(k<10000000){
43                this.poin-=3;
44                return k-k*3/100;
45            }
46            this.poin-=5;
47            return k-k*5/100;
48        }
49    }
50
51 }

```