

NIM : 2041720256

KELAS : 2C

MATKUL: PRAKTIKUM PBO (Jobsheet9)

```
4. Latihan

public class PerkalianKu {
  void perkalian(int a, int b){
    System.out.println(a * b);
  }
  void perkalian(int a, int b, int c){
    System.out.println(a * b * c);
  }
  public static void main(String args []){
    PerkalianKu objek = new PerkalianKu();
    objek.perkalian(25, 43);
    objek.perkalian(34, 23, 56);
  }
}
```

4.1 Dari source coding diatas terletak dimanakah overloading?

Jawab:

```
void perkalian(int a, int b){
   System.out.println(a * b);
}
void perkalian(int a, int b, int c){
   System.out.println(a * b * c);
}
```

4.2 Jika terdapat overloading ada berapa jumlah parameter yang berbeda? Jawab : hanya 1 terletak pada c

```
public class PerkalianKu {
  void perkalian(int a, int b){
    System.out.println(a * b);
}

void perkalian(double a, double b){
    System.out.println(a * b);
}

public static void main(String args []){
    PerkalianKu objek = new PerkalianKu();
    objek.perkalian(25, 43);
    objek.perkalian(34.56, 23.7);
}
}
```

4.3 Dari source coding diatas terletak dimanakah overloading?

```
void perkalian(int a, int b){
    System.out.println(a * b);
}
void perkalian(double a, double b){
    System.out.println(a * b);

Jawab:
}
```

4.4 Jika terdapat overloading ada berapa tipe parameter yang berbeda? Jawab: 2, menggunakan tipe data int dan tipe data double



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```
class Ikan{
  public void swim() {
     System.out.println("Ikan bisa berenang");
  }
}
class Piranha extends Ikan{
  public void swim() {
     System.out.println("Piranha bisa makan daging");
  }
}
public class Fish {
    public static void main(String[] args) {
        Ikan a = new Ikan();
        Ikan b = new Piranha();
        a.swim();
        b.swim();
    }
}
```

4.5. Dari source coding diatas terletak dimanakah overriding?

```
class Piranha extends Ikan{
    public void swim() {
        System.out.println("Piranha bisa makan daging");
    }

Jawab:
```

4.6. Jabarkanlah apabila sourcoding diatas jika terdapat overriding?

Jawab: method swim () dari class piranha override method swim () dari parent class ikan



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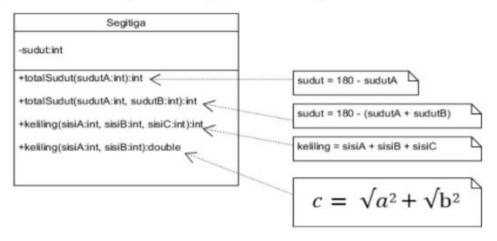
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5. Tugas

5.1 Overloading

Implementasikan konsep overloading pada class diagram dibawah ini :



Jawab:

Class Segitiga



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Class Main

```
Segitiga_13.java × ▲ Main_13.java ×
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            * To change this license header, choose License Headers in Project Properties.
           ^{\star} To change this template file, choose Tools | Templates ^{\star} and open the template in the editor.
          package TugasNol:
      早 /**
  10
           * @author ddiko
 11
          public class Main_13 {
 13
 14
                public static void main(String[] args) {
                     Segitiga_13 putra = new Segitiga_13();
System.out.println("Total Sudut 1 = " + putra.totalSudut(130));
System.out.println("Total Sudut 2 = " + putra.totalSudut(60, 30));
System.out.println("Keliling Segitiga 1 = " + putra.keliling(5, 5, 4));
System.out.println("Keliling Segitiga 2 = " + putra.keliling(12, 5));
 16
  18
  19
  20
 21
```

Output

```
Output - Pertemuan7 (run) × Segitiga_13.java × Main_13.java ×

run:

Total Sudut 1 = 50

Total Sudut 2 = 90

Keliling Segitiga 1 = 14

Keliling Segitiga 2 = 30.0

BUILD SUCCESSFUL (total time: 0 seconds)
```



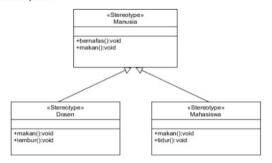
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KELAS : 2C

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5.2 Overriding

Implementasikan class diagram dibawah ini dengan menggunakan teknik dynamic method dispatch :



Jawab :

Class Mahasiswa

Class Dosen



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Class mahasiswa

Class main

```
© Output - Pertemuan7 (run) × ☑ Manusia_13.java × ☑ Dosen_13.java × ☑ Mahasiswa_13.java × ☑ Main_13.java ×
 Source History 🔯 👼 - 👼 - 🍳 🗫 🞝 🖶 📮 🔐 🚱 😓 🖄 🖄 🗐 🕮 🔒 🕮 🚅
        * To change this license header, choose License Headers in Project Properties.
* To change this template file, choose Tools | Templates
* and open the template in the editor.
       package TugasNo2;
     ₽ /**
9
      * @author ddiko
 11
       public class Main_13 {
 13
     public static void main(String[] args) {
    Manusia_13 ptr = new Manusia_13();
 15
                ptr.bernafas();
 18
                ptr.makan();
System.out.println();
 20
        ptr = new Dosen_13();
 21
 22
 23
                 ntr.makan():
                 Dosen_13 ptr2 = new Dosen_13();
 25
                 ptr2.lembur();
                 System.out.println();
 27
 28
                ptr = new Mahasiswa 13();
 30
                 ptr.makan():
                 Mahasiswa_13 ptr3 = new Mahasiswa_13();
ptr3.tidur();
 32
33
34
 35
```

Output

```
Coutput - Pertemuan7 (run) * Manusia_13.java * Dosen_13.java * Mahasiswa_13.java * Main_13.java *

run:
Sedang Bernafas.
Sedang Makan.
Dosen sedang Makan.
Dosen sedang Lembur.

Mahasiswa Sedang Tidur.
BUILD SUCCESSFUL (total time: 0 seconds)
```



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