Mata Kuliah : PBO – TI – S1
Pertemuan : 3
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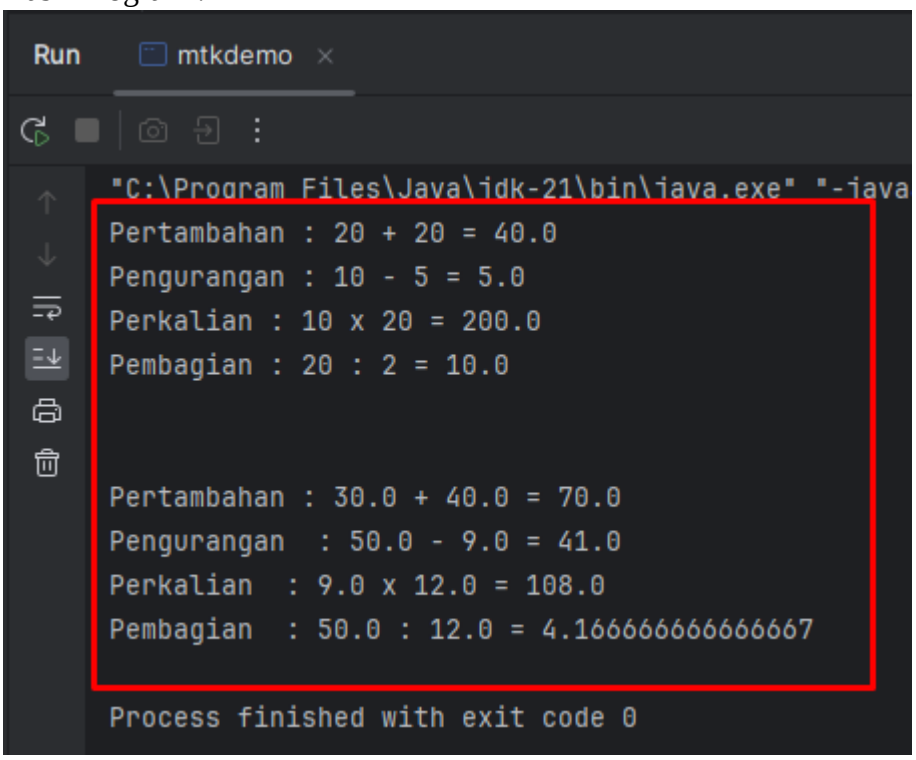
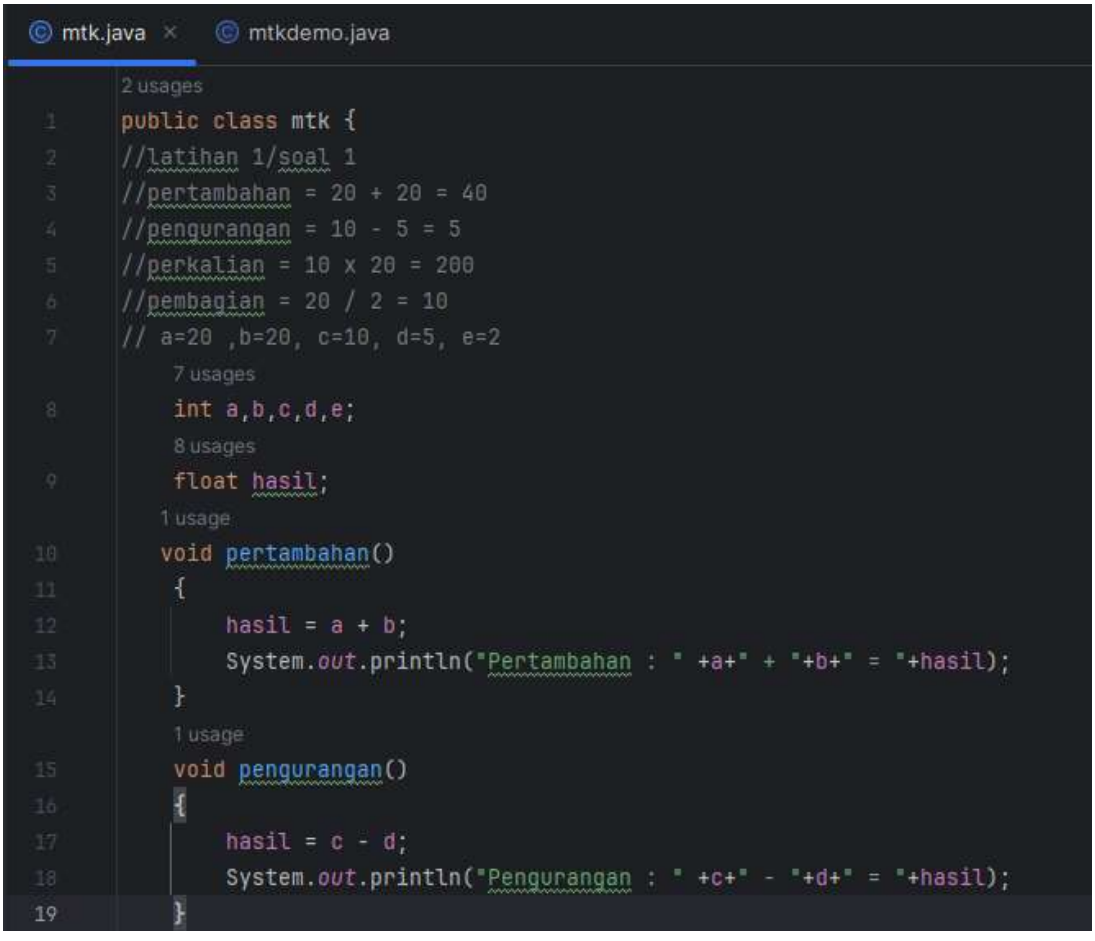
1. Tugas 1 : Program pertambahan, pengurangan, perkalian dan pembagian
   Hasil Program :



   Code Program :



```
20      void perkalian()
21      {
22          hasil = c * a;
23          System.out.println("Perkalian : " +c+" x "+a+" = "+hasil);
24      }
        1 usage
25      void pembagian()
26      {
27          hasil = (float) a /e;
28          System.out.println("Pembagian : " +a+" : "+e+" = "+hasil);
29          System.out.println("\n");
30      }
31      //menampung data pecahan
        3 usages
32      double z,x,y,w,t,hsl;
        1 usage
33      void Addition()
34      {
35          hsl =  z + x;
36          System.out.println("Pertambahan : " +z+" + "+x+" = "+hsl);
37      }
        1 usage
38      void Subtraction()
39      {
40          hsl =  y - w;
41          System.out.println("Pengurangan  : " +y+" - "+w+" = "+hsl);
42      }
```

```
43      void Multiplication()
44      {
45          hsl =  w * t;
46          System.out.println("Perkalian  : " +w+" x "+t+" = "+hsl);
47      }
        1 usage
48      void Division()
49      {
50          hsl =  y / t;
51          System.out.println("Pembagian  : " +y+" : "+t+" = "+hsl);
52      }
```

mtk.java | mtkdemo.java

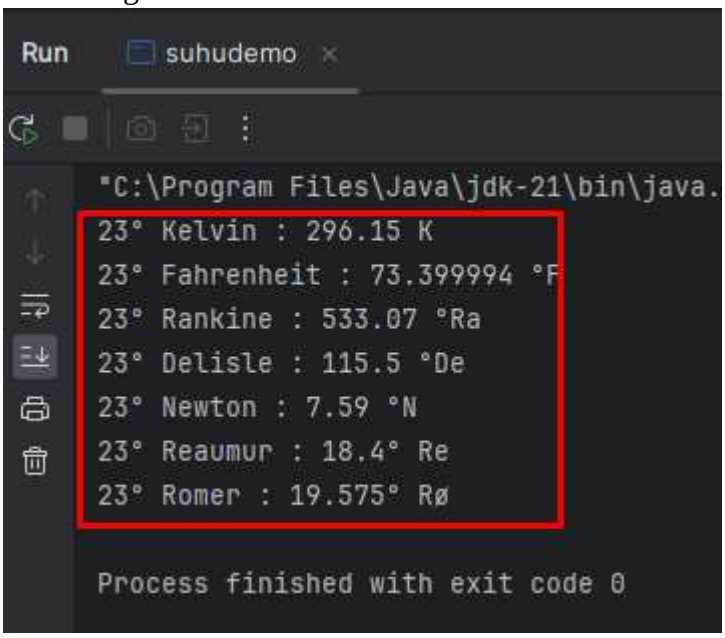
```java
public class mtkdemo {
//latihan 1/soal 1
//pertambahan = 20 + 20 = 40
//pengurangan = 10 - 5 = 5
//perkalian = 10 x 20 = 200
//pembagian = 20 / 2 = 10
// a=20 ,b=20, c=10, d=5, e=2
    public static void main(String[]args)
    {
        mtk mat = new mtk();
        mat.a=20;
        mat.b=20;
        mat.c=10;
        mat.d=5;
        mat.e=2;
        mat.pertambahan();
        mat.pengurangan();
        mat.perkalian();
        mat.pembagian();

        //hitungan data dapat menampung pecahan
        mat.z=30;
        mat.x=40;
        mat.y=50;
        mat.w=9;
        mat.t=12;
        mat.Addition();//pertambahan
        mat.Subtraction();//pengurangan
        mat.Subtraction();//pengurangan
        mat.Multiplication();//perkalian
        mat.Division();//pembagian

    }
}
```

2. Tugas 2 : Program konversi suhu

Hasil Program :



Code Program :

suhu.java × suhudemo.java

```
    1 usage
19      void cRankine(int c)
20      {
21          hasil = c * 1.8f + 491.67f;
22          System.out.println(c+"° Rankine : "+hasil+" °Ra");
23      }
    1 usage
24      void cDelisle(int c)
25      {
26          hasil = (100 - c) * 1.5f;
27          System.out.println(c+"° Delisle : "+hasil+" °De");
28      }
    1 usage
29      void cNewton(int c)
30      {
31          hasil = c * 33/100f;
32          System.out.println(c+"° Newton : "+hasil+" °N");
33      }
    1 usage
34      void cReaumur(int c)
35      {
36          hasil = c * 0.8f;
37          System.out.println(c+"° Reaumur : "+hasil+"° Re");
38      }
```

```
    1 usage
39      void cRomer(int c)
40      {
41          hasil = c * 21/40f + 7.5f;
42          System.out.println(c+"° Romer : "+hasil+"° Rø");
43      }
44
45  }
```

suhu.java suhudemo.java ×

```
1   public class suhudemo {
2   public static void main(String[] args)
3   {
4       suhu derajat = new suhu( c: 23);
5       derajat.cKelvin(derajat.c);
6       derajat.cFahrenheit(derajat.c);
7       derajat.cRankine(derajat.c);
8       derajat.cDelisle(derajat.c);
9       derajat.cNewton(derajat.c);
10      derajat.cReaumur(derajat.c);
11      derajat.cRomer(derajat.c);
12  }
13  }
14
```