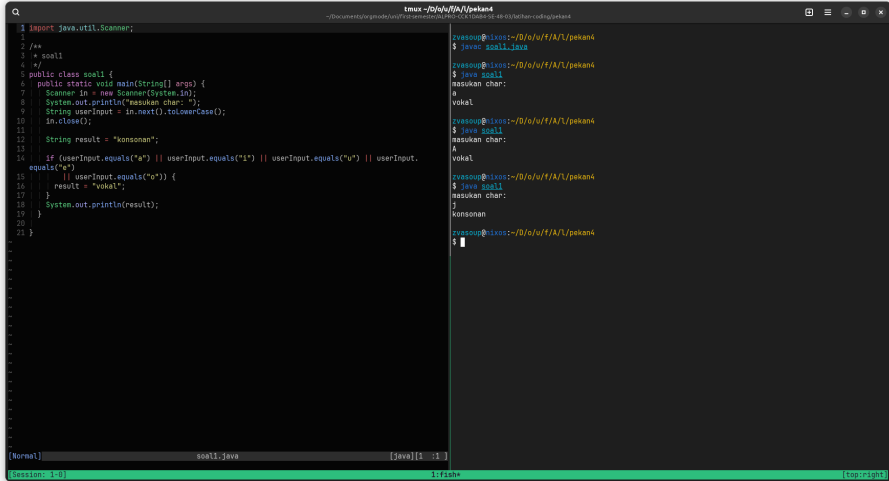
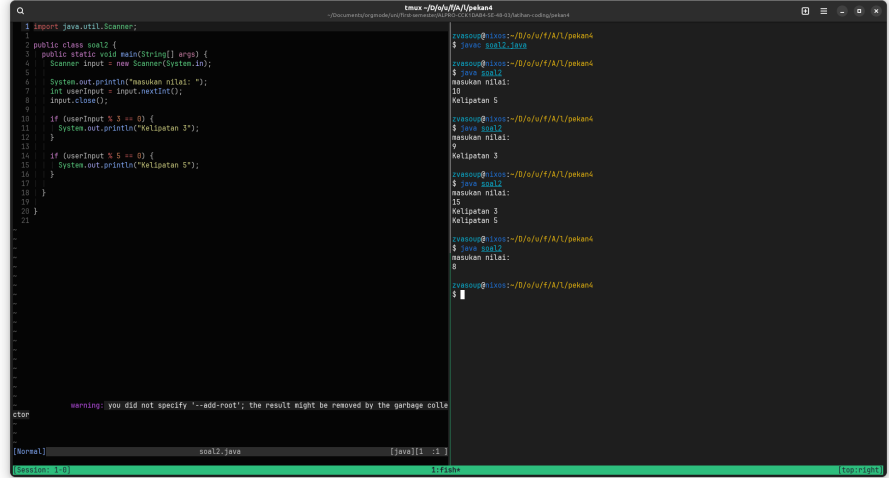


No	PSEUDOCODE	JAVA
1	<p>Program Konsonan</p> <p>Kamus:</p> <p>    userInput, result : string</p> <p>Algoritma:</p> <p>    input(userInput)</p> <p>    userInput &lt;- userInput.toLowerCase()</p> <p>    result &lt;- "konsonan"</p> <p>    IF ( userInput == "a"    userInput == "i"    userInput == "u"    userInput == "e"    userInput == "o" ) THEN</p> <p>        result &lt;- "vokal"</p> <p>    ENDIF</p> <p>    output(result)</p> <p>Endprogram</p>	
2	<p>Program Hasil Perkalian</p> <p>Kamus:</p> <p>    userInput : string</p> <p>Algoritma:</p> <p>    input(userInput)</p> <p>    IF ( userInput % 3 == 0 ) THEN</p> <p>        output("Kelipatan 3")</p> <p>    ENDIF</p> <p>    IF ( userInput % 5 == 0 ) THEN</p> <p>        output("Kelipatan 5")</p> <p>    ENDIF</p> <p>Endprogram</p>	

3	<p>Program Jenis Segitiga</p> <p>Kamus:</p> <p>a, b, c, result : string</p> <p>Algoritma:</p> <p>input(a, b, c)</p> <p>result &lt;- “segitiga sama kaki”</p> <p>IF ( a == b &amp;&amp; b == c &amp;&amp; c == a ) THEN</p> <p>    result &lt;- “segitiga sama sisi”</p> <p>ELSE IF ( a != b &amp;&amp; b != c &amp;&amp; c != d ) THEN</p> <p>    result &lt;- “segitiga sembarang”</p> <p>ENDIF</p> <p>output(result)</p> <p>Endprogram</p>	<pre> 1 import java.util.Scanner; 2 3 // 4 * 5 * 6 public class soal3 { 7 8     public static void main(String[] args) { 9         Scanner input = new Scanner(System.in); 10         int a, b, c; 11 12         System.out.println("masukan nilai sisi: (contoh: 1 2 3)"); 13         a = input.nextInt(); 14         b = input.nextInt(); 15         c = input.nextInt(); 16         input.close(); 17 18         String result = "segitiga sama kaki"; 19 20         if (a == b &amp;&amp; b == c &amp;&amp; c == a) { 21             result = "segitiga sama sisi"; 22         } else if (a != b &amp;&amp; b != c &amp;&amp; c != a) { 23             result = "segitiga sembarang"; 24         } 25 26         System.out.println(result); 27     } 28 } </pre> <p>warning: you did not specify "--add-roe</p> <p> Hector</p> <p>[Normal]      soal3.java      [Java] [1] [1]</p> <p>Session: 1-2      1/7/2024      [top-right]</p>
4	<p>Program Mutlak Absolut</p> <p>Kamus:</p> <p>userInput : integer</p> <p>Algoritma:</p> <p>input(userInput)</p> <p>IF ( userInput &lt; 0 ) THEN</p> <p>    userInput &lt;- userInput * (-1)</p> <p>ENDIF</p> <p>output(userInput)</p> <p>Endprogram</p>	<pre> 1 import java.util.Scanner; 2 3 public class soal4 { 4     public static void main(String[] args) { 5         Scanner input = new Scanner(System.in); 6         System.out.println("masukan angka: "); 7         int userInput = input.nextInt(); 8         input.close(); 9 10        if (userInput &lt; 0) { 11            userInput = -userInput; 12        } 13 14        System.out.println(userInput); 15    } 16 } </pre> <p>warning: you did not specify "--add-root"; the result might be removed by the garbage colle</p> <p> Hector</p> <p>[Normal]      soal4.java      [Java] [1] [1]</p> <p>Session: 1-2      1/7/2024      [top-right]</p>

5	<p>Program Temperatur</p> <p>Kamus:</p> <p>a, b, c, d, e : double result : string</p> <p>Algoritma:</p> <p>input( a, b, c, d, e)</p> <p>result &lt;- “Tidak stabil”</p> <p>IF ( a &lt; b &amp;&amp; b &lt; c &amp;&amp; c &lt; d &amp;&amp; d &lt; e ) THEN     result &lt;- “Stabil Naik”</p> <p>ELSE IF ( a &lt; b &amp;&amp; b &lt; c &amp;&amp; c &lt; d &amp;&amp; d &lt; e ) THEN     result &lt;- “Stabil Turun”</p> <p>ENDIF</p> <p>output(result)</p> <p>Endprogram</p>	 <pre> 12 import java.util.Scanner; 13 14 public class soal5 { 15     public static void main(String[] args) { 16         Scanner input = new Scanner(System.in); 17 18         double a, b, c, d, e; 19         System.out.println("Masukan 5 nilai temp (contoh 1 2 3 4 5): "); 20         a = input.nextDouble(); 21         b = input.nextDouble(); 22         c = input.nextDouble(); 23         d = input.nextDouble(); 24         e = input.nextDouble(); 25         input.close(); 26 27         String result = "Tidak stabil"; 28 29         if (a &lt; b &amp;&amp; b &lt; c &amp;&amp; c &lt; d &amp;&amp; d &lt; e) { 30             result = "Stabil Naik"; 31         } else if (a &lt; b &amp;&amp; b &lt; c &amp;&amp; c &lt; d &amp;&amp; d &lt; e) { 32             result = "Stabil Turun"; 33         } 34 35         System.out.println(result); 36     } 37 } </pre>
6	<p>Program Profit</p> <p>Kamus :</p> <p>inputA, inputB : integer result : string</p> <p>Algoritma:</p> <p>input(inputA, inputB)</p> <p>result &lt;- “tetap”</p> <p>IF (inputA &lt; inputB) THEN     result &lt;- “Peningkata sebesar: “ , ( inputB – inputA )</p> <p>ELSEIF ( inputA &gt; inputB ) THEN     result &lt;- “Penurunan sebesar: “ , ( inputA – inputB )</p> <p>ENDIF</p> <p>output(result)</p> <p>Endprogram</p>	 <pre> 1 import java.util.Scanner; 2 3 public class soal6 { 4     public static void main(String[] args) { 5         Scanner input = new Scanner(System.in); 6 7         System.out.println("Masukan keuntungan bulan kemarin dan bulan ini (contoh 1000 2000): "); 8         double inputA = input.nextDouble(); 9         double inputB = input.nextDouble(); 10        input.close(); 11 12        String result = "tetap"; 13 14        if (inputA &lt; inputB) { 15            result = "Peningkatan sebesar: " + (inputB - inputA); 16        } else if (inputA &gt; inputB) { 17            result = "Penurunan sebesar: " + (inputA - inputB); 18        } 19 20        System.out.println(result); 21    } 22 } </pre>

7

## Program Liga Sepak Bola

Kamus:

a, b, c, d, minGoal, maxGoal : integer

Algoritma:

input(a, b, c, d)

minGoal &lt;- a

IF ( b &lt; minGoal) THEN

minGoal &lt;- b

ELSE IF ( c &lt; minGoal) THEN

minGoal &lt;- c

ELSE IF ( d &lt; minGoal) THEN

minGoal &lt;- d

ENDIF

maxGoal &lt;- a

IF ( b &gt; minGoal) THEN

minGoal &lt;- b

ELSE IF ( c &gt; minGoal) THEN

minGoal &lt;- c

ELSE IF ( d &gt; minGoal) THEN

minGoal &lt;- d

ENDIF

output(maxGoal, " ", minGoal)

Endprogram

```

25 import java.util.Scanner;
26
27 public class Goal7 {
28     public static void main(String[] args) {
29         Scanner input = new Scanner(System.in);
30
31         System.out.println("Masukkan 4 nilai (contoh: 1 2 3 4): ");
32         int a, b, c, d, minGoal, maxGoal;
33
34         a = input.nextInt();
35         b = input.nextInt();
36         c = input.nextInt();
37         d = input.nextInt();
38         input.close();
39
40         minGoal = a;
41         if (b < minGoal)
42             minGoal = b;
43         if (c < minGoal)
44             minGoal = c;
45         if (d < minGoal)
46             minGoal = d;
47
48         maxGoal = a;
49         if (b > maxGoal)
50             maxGoal = b;
51         if (c > maxGoal)
52             maxGoal = c;
53         if (d > maxGoal)
54             maxGoal = d;
55
56         System.out.println(maxGoal + " " + minGoal);
57     }
58 }

```

Output:

```

Masukkan 4 nilai (contoh: 1 2 3 4):
1 2 3 4
7 7 7 7
7 7
Masukkan 4 nilai (contoh: 1 2 3 4):
2 3 4
4 1

```

8

## Program Parkir

Kamus:

h1, m1, h2, m2, resultH, resultM : integer  
validation1, validation2, validation3 : boolean  
result : string

Algoritma:

input(h1, m1, h2, m2)  
validation1 <- false  
validation2 <- false  
validation3 <- false

IF ((7 <= h1 && h1 <= 12) || (1 <= h1 && ((h1 <= 4) || h1 == 5 && m1 == 0))) THEN

validation1 <- true;

ENDIF

IF ((7 <= h2 && h2 <= 12) || (1 <= h2 && ((h2 <= 4) || h2 == 5 && m1 == 0))) THEN

validation2 <- true;

ENDIF

IF (m2 <= 60 && m1 <= 60 && m2 >= 0 && m1 >= 0) THEN

validation3 <- true;

ENDIF

IF (validation1 == true && validation2 == true && validation3 == true)  
THEN

IF (h1 <= 5) THEN

h1 <- h1 + 12;

ENDIF

IF (h2 <= 5) THEN

h2 <- h2 + 12;

ENDIF

resultH <- h2 - h1;

resultM <- m2 - m1;

IF (resultM < 0) THEN

```

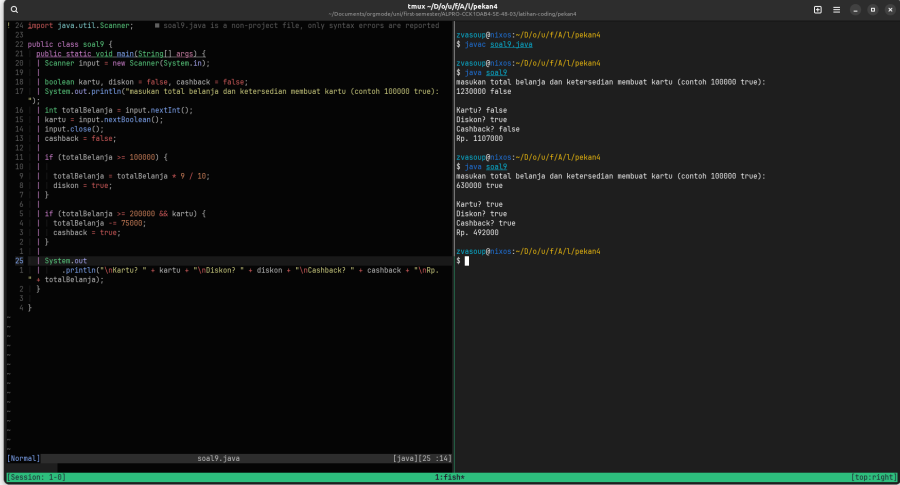
1 import java.util.Scanner;
2
3 public class Scanner {
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6         int h1, m1, h2, m2;
7         System.out.println("Masukkan jam parkir adalah jam 7 pagi sampai 5 sore");
8         System.out.println("Masukkan jam parkir (contoh 7 00 12 00)(format 12 jam)");
9         h1 = input.nextInt();
10        m1 = input.nextInt();
11        h2 = input.nextInt();
12        m2 = input.nextInt();
13        input.close();
14
15        boolean validation1 = false;
16        boolean validation2 = false;
17        boolean validation3 = false;
18        int resultH = 0;
19        int resultM = 0;
20        String result = "";
21
22        if ((7 <= h1 && h1 <= 12) || (1 <= h1 && ((h1 <= 4) || h1 == 5 && m1 == 0))) {
23            validation1 = true;
24        }
25        if ((7 <= h2 && h2 <= 12) || (1 <= h2 && ((h2 <= 4) || h2 == 5 && m2 == 0))) {
26            validation2 = true;
27        }
28        if (m2 <= 60 && m1 <= 60 && m2 >= 0 && m1 >= 0) {
29            validation3 = true;
30        }
31
32        if (validation1 == true && validation2 == true && validation3 == true) {
33            if (h1 <= 5) {
34                h1 += 12;
35            }
36            if (h2 <= 5) {
37                h2 += 12;
38            }
39            resultH = h2 - h1;
40            resultM = m2 - m1;
41
42            if (resultM < 0) {
43                resultH = (h2 + 60) - h1;
44                resultM += 1;
45            }
46        }
47    }
48 }

```

```

44 public static void main(String[] args) {
45     Scanner input = new Scanner(System.in);
46     int h1, m1, h2, m2;
47     System.out.println("Masukkan jam parkir adalah jam 7 pagi sampai 5 sore");
48     System.out.println("Masukkan jam parkir (contoh 7 00 12 00)(format 12 jam)");
49     h1 = input.nextInt();
50     m1 = input.nextInt();
51     h2 = input.nextInt();
52     m2 = input.nextInt();
53     input.close();
54
55     boolean validation1 = false;
56     boolean validation2 = false;
57     boolean validation3 = false;
58     int resultH = 0;
59     int resultM = 0;
60     String result = "";
61
62     if ((7 <= h1 && h1 <= 12) || (1 <= h1 && ((h1 <= 4) || h1 == 5 && m1 == 0))) {
63         validation1 = true;
64     }
65     if ((7 <= h2 && h2 <= 12) || (1 <= h2 && ((h2 <= 4) || h2 == 5 && m2 == 0))) {
66         validation2 = true;
67     }
68     if (m2 <= 60 && m1 <= 60 && m2 >= 0 && m1 >= 0) {
69         validation3 = true;
70     }
71
72     if (validation1 == true && validation2 == true && validation3 == true) {
73         if (h1 <= 5) {
74             h1 += 12;
75         }
76         if (h2 <= 5) {
77             h2 += 12;
78         }
79         resultH = h2 - h1;
80         resultM = m2 - m1;
81
82         if (resultM < 0) {
83             resultH = (h2 + 60) - h1;
84             resultM += 1;
85         }
86     }
87
88     result = resultH + " jam " + resultM + " menit ";
89
90     if (result == "input invalid") {
91         System.out.println(result);
92     }
93 }

```

	<pre>resultM &lt;- (m2 + 60) - m1; resultH &lt;- resultH - 1;  THEN  result &lt;- resultH + " jam " + resultM + " menit ";  ELSE result &lt;- "input invalid";  ENDIF  output(result) Endprogram</pre>	
9	<p>Program Akhir Tahun</p> <p>Kamus:</p> <p>kartu, diskon, cashback : boolean totalBelanja : integer</p> <p>Algoritma:</p> <p>input(totalBelanja) input(kartu) cashback &lt;- false</p> <p>IF ( totalBelanja &gt;= 100000 ) THEN totalBelanja &lt;- totalBelanja * 9 / 10 diskon &lt;- true ENDIF</p> <p>IF ( totalBelanja &gt;= 200000) THEN totalBelanja &lt;- totalBelanja - 75000 cashsback &lt;- true ENDIF</p> <p>output("\nKartu? ", kartu, "\nDiskon? ", diskon, "\nCashback? ", cashback, "\nRp. ", totalBelanja)</p> <p>Endprogram</p>	

10

## Program Banyak Appa

Kamus:

result : string

appaBig, appaSmall, sisa, userInput : integer

Algoritma :

input(userInput)

IF ( userInput &lt;= 15 ) THEN

appaBig &lt;- ( userInput + 4 ) / 5

result &lt;- "dewasa: ", appaBig

ELSE IF ( userInput &lt;= 25 ) THEN

appaBig &lt;- 3

appaSmall &lt;- ( userInput - 14 ) / 2

result &lt;- "dewasa: ", appaBig, " kecil: ", appaSmall

ELSE

appaBig &lt;- 3

appaSmall &lt;- 5

sisa &lt;- userInput - 25

result &lt;- "dewasa: ", appaBig, " kecil: ", appaSmall, " dan ", sisa, " tak berangkat"

ENDIF

output(result)

Endprogram

```

1 import java.util.Scanner;
2 public class sisa10v2 {
3     public static void main(String[] args) {
4         Scanner input = new Scanner(System.in);
5         System.out.println("Masukkan jumlah orang yang berangkat: ");
6         int userInput = input.nextInt();
7         input.close();
8         String result = "";
9         int appaBig = 0, appaSmall = 0, sisa = 0;
10
11         if (userInput <= 15) {
12             appaBig = (userInput + 4) / 5;
13
14             result = "dewasa: " + appaBig;
15         } else if (userInput <= 25) {
16             appaBig = 3;
17             appaSmall = (userInput - 14) / 2;
18             //
19             result = "dewasa: " + appaBig + ", kecil: " + appaSmall;
20         }
21
22         else {
23             appaBig = 3;
24             appaSmall = 5;
25             sisa = userInput - 25;
26
27             result = "dewasa: " + appaBig + ", kecil: " + appaSmall + ", dan " + sisa + " tak berangkat";
28         }
29         System.out.println(result);
30     }
31 }
32
33 }

```

Warning: you did not specify '-add-roots'; the result might be removed by the garbage collector

```

C:\Users\user> java -Djava.util.logging.config.file=... sisa10v2.java
Masukkan jumlah orang yang berangkat:
17
dewasa: 3, kecil: 1

```