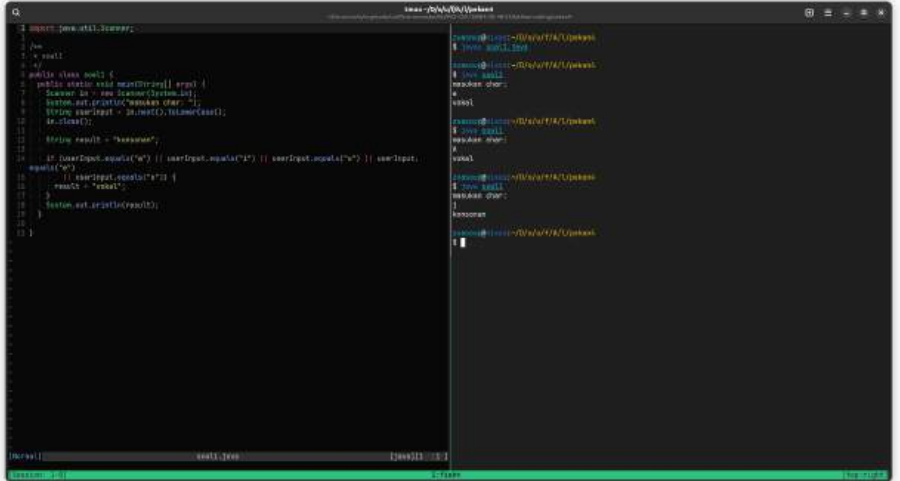
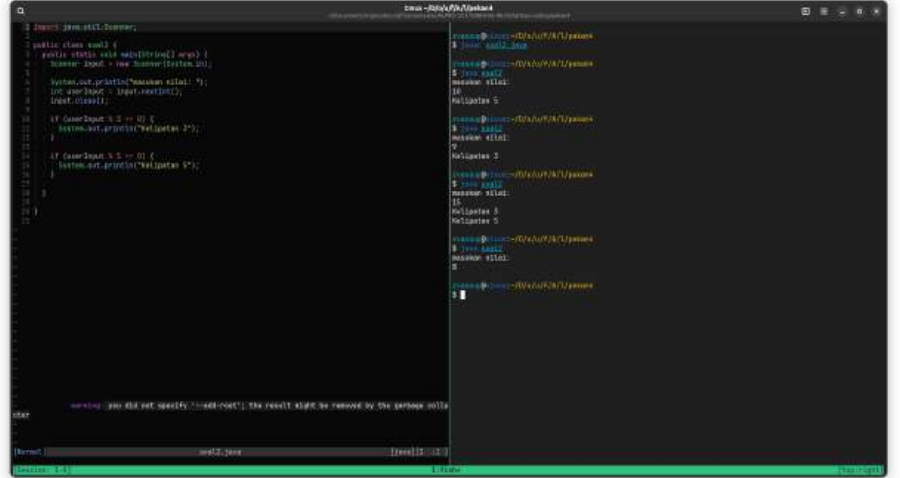
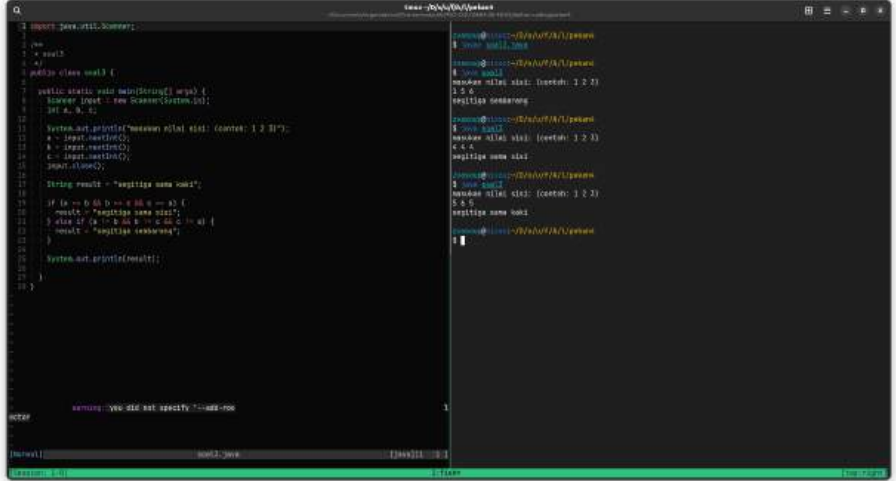
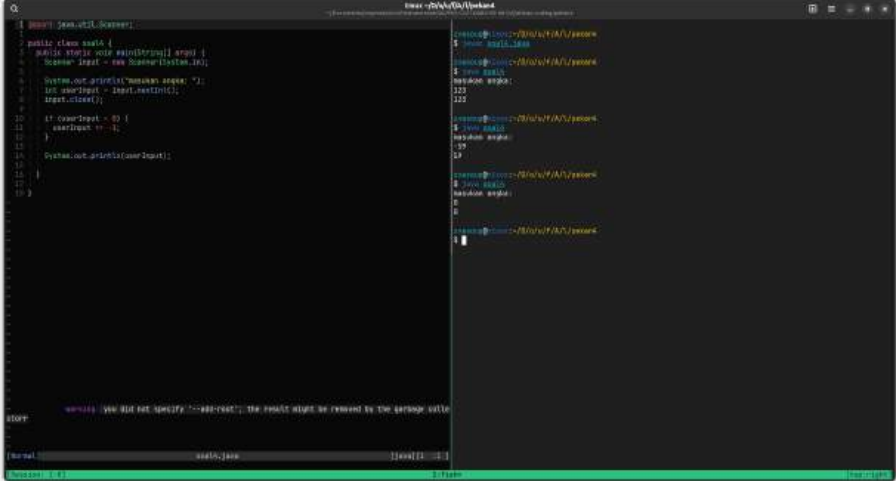
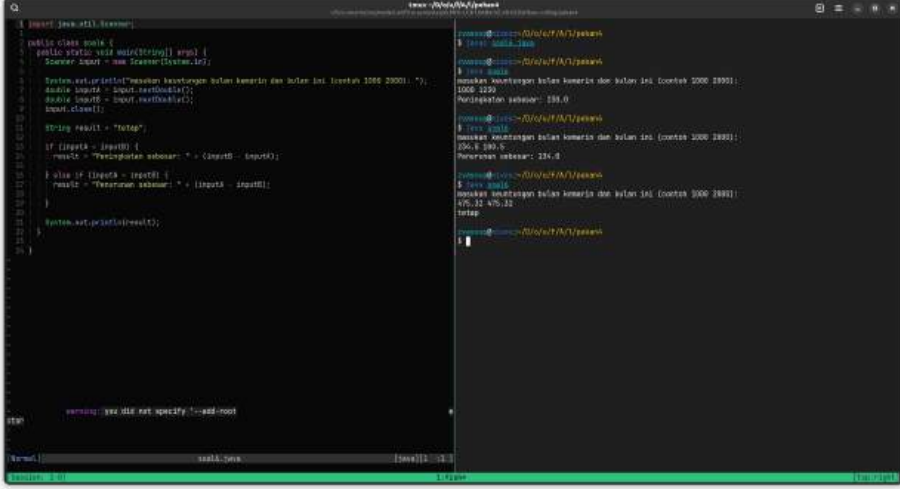


| No | PSEUDOCODE   | JAVA  |
|----|--|---|
| 1  | <p>Program Konsonan</p> <p>Kamus:</p> <p>    userInput, result : string</p> <p>Algoritma:</p> <p>    input(userInput)</p> <p>    userInput &lt;- userInput.toLowerCase()</p> <p>    result &lt;- "konsonan"</p> <p>    IF ( userInput == "a"    userInput == "i"    userInput == "u"    userInput == "e"    userInput == "o" ) THEN</p> <p>        result &lt;- "vokal"</p> <p>    ENDIF</p> <p>    output(result)</p> <p>Endprogram</p> |  <pre> 1 import java.util.Scanner; 2 3 public class main { 4     public static void main(String[] args) { 5         Scanner in = new Scanner(System.in); 6         System.out.println("Masukan char: "); 7         String userInput = in.next().toLowerCase(); 8         in.close(); 9 10        String result = "konsonan"; 11 12        if (userInput.equals("a")    userInput.equals("i")    userInput.equals("u")    userInput.equals("e")    userInput.equals("o")) { 13            result = "vokal"; 14        } 15        System.out.println(result); 16    } 17 } </pre> |
| 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>   |  <pre> 1 import java.util.Scanner; 2 3 public class main { 4     public static void main(String[] args) { 5         Scanner input = new Scanner(System.in); 6         System.out.println("Masukan bilangan: "); 7         int userInput = input.nextInt(); 8         input.close(); 9 10        if (userInput % 3 == 0) { 11            System.out.println("Kelipatan 3"); 12        } 13 14        if (userInput % 5 == 0) { 15            System.out.println("Kelipatan 5"); 16        } 17    } 18 } </pre>  |

|   |  |   |
|---|--|---|
| 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 public class Segitiga { 4     public static void main(String[] args) { 5         Scanner input = new Scanner(System.in); 6         int a, b, c; 7 8         System.out.println("Masukkan nilai sisi: (contoh: 1 2 3)"); 9         a = input.nextInt(); 10        b = input.nextInt(); 11        c = input.nextInt(); 12        input.close(); 13 14        String result = "segitiga sama kaki"; 15 16        if (a == b &amp;&amp; b == c &amp;&amp; c == a) { 17            result = "segitiga sama sisi"; 18        } else if (a != b &amp;&amp; b != c &amp;&amp; c != a) { 19            result = "segitiga sembarang"; 20        } 21 22        System.out.println(result); 23    } 24 } </pre> |
| 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 Mutlak { 4     public static void main(String[] args) { 5         Scanner input = new Scanner(System.in); 6 7         System.out.println("Masukkan angka: "); 8         int userInput = input.nextInt(); 9         input.close(); 10 11         if (userInput &lt; 0) { 12             userInput = -userInput; 13         } 14 15         System.out.println(userInput); 16     } 17 } </pre>   |

|   |   |   |
|---|---|---|
| 5 | <p>Program Temperatur<br/>Kamus:</p> <p>a, b, c, d, e : double<br/>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<br/>    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<br/>    result &lt;- "Stabil Turun"</p> <p>ENDIF</p> <p>output(result)</p> <p>Endprogram</p> |  <pre> 1 import java.util.Scanner; 2 3 public class main { 4     public static void main(String[] args) { 5         Scanner input = new Scanner(System.in); 6 7         double a, b, c, d, e; 8         System.out.println("Masukkan 5 nilai temp (contoh 1 2 3 4 5):"); 9         a = input.nextDouble(); 10        b = input.nextDouble(); 11        c = input.nextDouble(); 12        d = input.nextDouble(); 13        e = input.nextDouble(); 14        String result = "Tidak stabil"; 15 16        if (a &lt; b &amp;&amp; b &lt; c &amp;&amp; c &lt; d &amp;&amp; d &lt; e) { 17            result = "Stabil Naik"; 18        } 19        else if (a &lt; b &amp;&amp; b &lt; c &amp;&amp; c &lt; d &amp;&amp; d &lt; e) { 20            result = "Stabil Turun"; 21        } 22 23        System.out.println(result); 24    } 25 } </pre> |
| 6 | <p>Program Profit<br/>Kamus :</p> <p>inputA, inputB : integer<br/>result : string</p> <p>Algoritma:</p> <p>input(inputA, inputB)</p> <p>result &lt;- "tetap"</p> <p>IF (inputA &lt; inputB) THEN<br/>    result &lt;- "Peningkata sebesar: ", ( inputB – inputA )</p> <p>ELSEIF ( inputA &gt; inputB ) THEN<br/>    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 main { 4     public static void main(String[] args) { 5         Scanner input = new Scanner(System.in); 6 7         int inputA = input.nextInt(); 8         int inputB = input.nextInt(); 9         input.close(); 10 11        String result = "tetap"; 12 13        if (inputA &lt; inputB) { 14            result = "Peningkata sebesar: " + (inputB - inputA); 15        } 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

```

1 import java.util.Scanner;
2
3 public class main {
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6
7         // Input
8         System.out.println("Masukkan 4 nilai (contoh: 1 2 3 4): ");
9         int a = input.nextInt();
10        int b = input.nextInt();
11        int c = input.nextInt();
12        int d = input.nextInt();
13
14        // minGoal
15        minGoal = a;
16        if (b < minGoal)
17            minGoal = b;
18        else if (c < minGoal)
19            minGoal = c;
20        else if (d < minGoal)
21            minGoal = d;
22
23        // maxGoal
24        maxGoal = a;
25        if (b > maxGoal)
26            maxGoal = b;
27        else if (c > maxGoal)
28            maxGoal = c;
29        else if (d > maxGoal)
30            maxGoal = d;
31
32        System.out.println("maxGoal = " + maxGoal);
33
34    }
35 }

```

Output:

```

Masukkan 4 nilai (contoh: 1 2 3 4):
1 2 3 4
maxGoal = 4

```

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

```

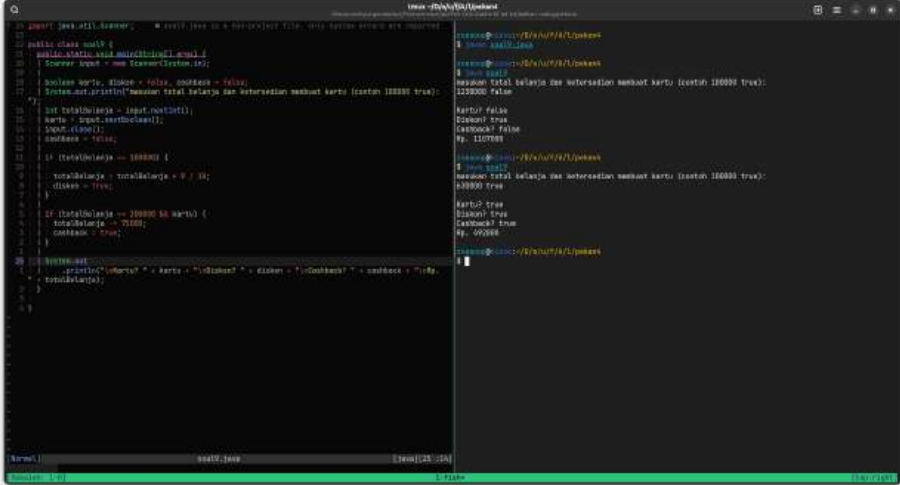
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6         int h1, m1, h2, m2;
7         System.out.print("Masukkan jam parkir (contoh 7 30 12 30): ");
8         h1 = input.nextInt();
9         m1 = input.nextInt();
10        h2 = input.nextInt();
11        m2 = input.nextInt();
12        boolean validation1 = false;
13        boolean validation2 = false;
14        boolean validation3 = false;
15        int resultH = 0;
16        int resultM = 0;
17        String result = "";
18
19        if ((7 <= h1 && h1 <= 12) || (1 <= h1 && ((h1 <= 4) || h1 == 5 && m1 == 0))) {
20            validation1 = true;
21        }
22
23        if ((7 <= h2 && h2 <= 12) || (1 <= h2 && ((h2 <= 4) || h2 == 5 && m2 == 0))) {
24            validation2 = true;
25        }
26
27        if (m2 <= 60 && m1 <= 60 && m2 >= 0 && m1 >= 0) {
28            validation3 = true;
29        }
30
31        if (validation1 == true && validation2 == true && validation3 == true) {
32            if (h1 <= 5) {
33                h1 = h1 + 12;
34            }
35            if (h2 <= 5) {
36                h2 = h2 + 12;
37            }
38            resultH = h2 - h1;
39            resultM = m2 - m1;
40
41            if (resultM < 0) {
42                result = "Input Invalid!";
43            } else {
44                result = "Jam parkir: " + resultH + " jam " + resultM + " menit";
45            }
46            System.out.println(result);
47        }
48    }
49 }

```

```

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

```

|   |   |  |
|---|---|--|
|   | <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<br/>totalBelanja : integer</p> <p>Algoritma:</p> <p>input(totalBelanja)<br/>input(kartu)<br/>cashback &lt;- false</p> <p>IF ( totalBelanja &gt;= 100000 ) THEN<br/>totalBelanja &lt;- totalBelanja * 9 / 10<br/>diskon &lt;- true<br/>ENDIF</p> <p>IF ( totalBelanja &gt;= 200000) THEN<br/>totalBelanja &lt;- totalBelanja - 75000<br/>cashback &lt;- true<br/>ENDIF</p> <p>output("\nKartu? ", kartu, "\nDiskon? ", diskon, "\nCashback? ",<br/>cashback, "\nRp. ", totalBelanja)</p> <p>Endprogram</p> |  <pre> 1  import java.util.Scanner; 2 3  public class main { 4      public static void main(String[] args) { 5          Scanner input = new Scanner(System.in); 6 7          boolean kartu, diskon = false, cashback = false; 8          int totalBelanja; 9 10         System.out.println("Masukkan total belanja dan ketersediaan hadiah kartu (contoh 100000 true):"); 11 12         totalBelanja = input.nextInt(); 13         kartu = input.nextBoolean(); 14         input.close(); 15         diskon = false; 16         cashback = false; 17 18         if (totalBelanja &gt;= 100000) { 19             totalBelanja = totalBelanja * 9 / 10; 20             diskon = true; 21         } 22 23         if (totalBelanja &gt;= 200000) { 24             totalBelanja = totalBelanja - 75000; 25             cashback = true; 26         } 27 28         System.out.println("\nKartu? " + kartu + "\nDiskon? " + diskon + "\nCashback? " + cashback + "\nRp. " + totalBelanja); 29     } 30 } </pre> |

```
10 Program Banyak Appa
Kamus:
    result : string
    appaBig, appaSmall, sisa, userInput : integer
Algoritma :
    input(userInput)

    IF ( userInput <= 15 ) THEN
        appaBig <- ( userInput + 4 ) /5
        result <- "dewasa: ", appaBig
    ELSE IF ( userInput <= 25 ) THEN
        appaBig <- 3
        appaSmall <- ( userInput - 14 ) /2

        result <- "dewasa: ", appaBig, " kecil: ", appaSmall
    ELSE
        appaBig <- 3
        appaSmall <- 5
        sisa <- userInput - 25

        result <- "dewasa: ", appaBig, " kecil: ", appaSmall, " dan ", sisa, "
        tak berangkat"
    ENDIF

    output(result)
Endprogram
```

```

1 1 import "fmt"
2 2
3 3 func main() {
4 4     // Create a slice of numbers from 1 to 10
5 5     numbers := []int{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}
6 6
7 7     // Iterate over the slice and calculate the sum of squares
8 8     sum := 0
9 9     for _, number := range numbers {
10 10        sum += number * number
11 11    }
12 12
13 13    // Print the result
14 14    fmt.Println("Jumlah:", sum)
15 15 }
16 16
17 17 // Output: Jumlah: 385
18 18
19 19 // Go version: go1.16.2
20 20
21 21 // File path: /home/runner/work/sum-of-squares/sum-of-squares/main.go
22 22
23 23 // Error: go: no such package: sum-of-squares
24 24
25 25 // Error: go: no such package: sum-of-squares
26 26
27 27 // Error: go: no such package: sum-of-squares
28 28
29 29 // Error: go: no such package: sum-of-squares
30 30
31 31 // Error: go: no such package: sum-of-squares
32 32
33 33 // Error: go: no such package: sum-of-squares
34 34
35 35 // Error: go: no such package: sum-of-squares
36 36
37 37 // Error: go: no such package: sum-of-squares
38 38
39 39 // Error: go: no such package: sum-of-squares
40 40
41 41 // Error: go: no such package: sum-of-squares
42 42
43 43 // Error: go: no such package: sum-of-squares
44 44
45 45 // Error: go: no such package: sum-of-squares
46 46
47 47 // Error: go: no such package: sum-of-squares
48 48
49 49 // Error: go: no such package: sum-of-squares
50 50
51 51 // Error: go: no such package: sum-of-squares
52 52
53 53 // Error: go: no such package: sum-of-squares
54 54
55 55 // Error: go: no such package: sum-of-squares
56 56
57 57 // Error: go: no such package: sum-of-squares
58 58
59 59 // Error: go: no such package: sum-of-squares
60 60
61 61 // Error: go: no such package: sum-of-squares
62 62
63 63 // Error: go: no such package: sum-of-squares
64 64
65 65 // Error: go: no such package: sum-of-squares
66 66
67 67 // Error: go: no such package: sum-of-squares
68 68
69 69 // Error: go: no such package: sum-of-squares
70 70
71 71 // Error: go: no such package: sum-of-squares
72 72
73 73 // Error: go: no such package: sum-of-squares
74 74
75 75 // Error: go: no such package: sum-of-squares
76 76
77 77 // Error: go: no such package: sum-of-squares
78 78
79 79 // Error: go: no such package: sum-of-squares
80 80
81 81 // Error: go: no such package: sum-of-squares
82 82
83 83 // Error: go: no such package: sum-of-squares
84 84
85 85 // Error: go: no such package: sum-of-squares
86 86
87 87 // Error: go: no such package: sum-of-squares
88 88
89 89 // Error: go: no such package: sum-of-squares
90 90
91 91 // Error: go: no such package: sum-of-squares
92 92
93 93 // Error: go: no such package: sum-of-squares
94 94
95 95 // Error: go: no such package: sum-of-squares
96 96
97 97 // Error: go: no such package: sum-of-squares
98 98
99 99 // Error: go: no such package: sum-of-squares
100 100

```