


- PRAKTIKUM PEMILIHAN



```
Go Run ...
KULIAH NA

Welcome
Pemilihan06.java
Pemilihan06.java
1 public class Pemilihan06 {
2     public static void main(String[] args) {
3
4
5
6
7
8
9
10
11 String message1 = "Nilai tidak valid";
12 if (args.length > 100){
13     System.out.println(message1);
14     return;
15 }
16 else if (args.length > 100){
17     System.out.println(message1);
18     return;
19 }
20 else if (args.length > 100){
21     System.out.println(message1);
22     return;
23 }
24 else if (args.length > 100){
25     System.out.println(message1);
26     return;
27 }
28 }
29 }
```

```

10 float total = (nasi * 0.4f) + (ayak * 0.2f) + (kula * 0.1f) + (tugas * 0.2f);
11 System.out.println("Mial akhir = " + total);
12
13 if (total >= 80){
14     System.out.println("Mial Huruf A");
15 } else if (total > 75){
16     System.out.println("Mial Huruf B");
17 } else if (total > 65){
18     System.out.println("Mial Huruf C");
19 } else if (total > 55){
20     System.out.println("Mial Huruf D");
21 } else if (total > 40){
22     System.out.println("Mial Huruf E");
23 } else {
24     System.out.println("Mial Huruf F");
25 }
26
27 System.out.println("-----");
28 if (total < 30){
29     System.out.println("Anda Tidak lulus");
30 } else {
31     System.out.println("Selamat Anda lulus");
32 }

```

```
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\ADMIN\MSI2000-NUM-52> & "C:\Program Files\Java\jdk-9\bin\java.exe" "-Xmx4096m -Djava.class.path=C:\Users\ADMIN\AppData\Local\Microsoft\Windows\CurrentVersion\Shell\java\jdk-9\bin\java.exe" -jar C:\Users\ADMIN\AppData\Local\Microsoft\Windows\CurrentVersion\Shell\java\jdk-9\bin\java.exe "C:\Users\ADMIN\AppData\Local\Microsoft\Windows\CurrentVersion\Shell\java\jdk-9\bin\java.exe" "C:\Users\ADMIN\AppData\Local\Microsoft\Windows\CurrentVersion\Shell\java\jdk-9\bin\java.exe"

Program menghitung nilai akhir

=====
Menghitung Nilai Pages : 85
Menghitung Nilai Kals : 90
Menghitung Nilai UFS : 120
Menghitung Nilai IAS : 70
=====

Nilai akhir valid

PS C:\Users\ADMIN\MSI2000-NUM-52> & "C:\Program Files\Java\jdk-9\bin\java.exe" "-Xmx4096m -Djava.class.path=C:\Users\ADMIN\AppData\Local\Microsoft\Windows\CurrentVersion\Shell\java\jdk-9\bin\java.exe" -jar C:\Users\ADMIN\AppData\Local\Microsoft\Windows\CurrentVersion\Shell\java\jdk-9\bin\java.exe "C:\Users\ADMIN\AppData\Local\Microsoft\Windows\CurrentVersion\Shell\java\jdk-9\bin\java.exe" "C:\Users\ADMIN\AppData\Local\Microsoft\Windows\CurrentVersion\Shell\java\jdk-9\bin\java.exe"

Program menghitung nilai akhir

=====
Menghitung Nilai Pages : 90
Menghitung Nilai Kals : 80
Menghitung Nilai UFS : 75
Menghitung Nilai IAS : 85
=====

Nilai akhir = 70.3
Nilai Huruf B

=====

Silahkan anda tulis

PS C:\Users\ADMIN\MSI2000-NUM-52> |
```

- PRAKTIKUM PERULANGAN

The screenshot shows an IDE with a Java file named `Perulangan.java`. The code is as follows:

```

1  package com.mahasiswa;
2
3  import java.util.Scanner;
4
5  public class Perulangan {
6
7      public static void main(String[] args) {
8          Scanner input = new Scanner(System.in);
9          System.out.print("Masukkan NIM : ");
10         String nim = input.nextLine();
11         System.out.println("-----");
12         int n = Integer.parseInt(nim.substring(nim.length() - 2));
13
14         if (n < 10) {
15             n += 10;
16         }
17
18         for (int i = 1; i <= n; i++) {
19             if (i % 5 == 0) {
20                 continue;
21             }
22             else if (i % 2 != 0) {
23                 System.out.print(i + " ");
24             } else {
25                 System.out.print(i + " ");
26             }
27         }
28     }
29 }

```

The output of the program is:

```

PS C:\Users\A955\WOLAHN NIM 52> cd C:\Users\A955\WOLAHN NIM 52\ & "C:\Program Files\Java\jdk-20\bin\java.exe" -Xmx1024m -Xms64m -cp "C:\Users\A955\WOLAHN NIM 52\src" com.mahasiswa.Perulangan
Masukkan NIM : 234567890
-----
2 4 0 8 10 = 12

```

- PRAKTIKUM ARRAY

```

1 // Exercise 2 //
2 // Exercise 2 //
3 // Exercise 2 //
4 // Exercise 2 //
5 // Exercise 2 //
6 // Exercise 2 //
7 // Exercise 2 //
8 // Exercise 2 //
9 // Exercise 2 //
10 // Exercise 2 //
11 // Exercise 2 //
12 // Exercise 2 //
13 // Exercise 2 //
14 // Exercise 2 //
15 // Exercise 2 //
16 // Exercise 2 //
17 // Exercise 2 //
18 // Exercise 2 //
19 // Exercise 2 //
20 // Exercise 2 //
21 // Exercise 2 //
22 // Exercise 2 //
23 // Exercise 2 //
24 // Exercise 2 //
25 // Exercise 2 //
26 // Exercise 2 //
27 // Exercise 2 //
28 // Exercise 2 //
29 // Exercise 2 //
30 // Exercise 2 //
31 // Exercise 2 //
32 // Exercise 2 //
33 // Exercise 2 //
34 // Exercise 2 //
35 // Exercise 2 //
36 // Exercise 2 //
37 // Exercise 2 //
38 // Exercise 2 //
39 // Exercise 2 //
40 // Exercise 2 //
41 // Exercise 2 //
42 // Exercise 2 //
43 // Exercise 2 //
44 // Exercise 2 //
45 // Exercise 2 //
46 // Exercise 2 //
47 // Exercise 2 //
48 // Exercise 2 //
49 // Exercise 2 //
50 // Exercise 2 //
51 // Exercise 2 //
52 // Exercise 2 //
53 // Exercise 2 //
54 // Exercise 2 //
55 // Exercise 2 //
56 // Exercise 2 //
57 // Exercise 2 //
58 // Exercise 2 //
59 // Exercise 2 //
60 // Exercise 2 //
61 // Exercise 2 //
62 // Exercise 2 //
63 // Exercise 2 //
64 // Exercise 2 //
65 // Exercise 2 //
66 // Exercise 2 //
67 // Exercise 2 //
68 // Exercise 2 //
69 // Exercise 2 //
70 // Exercise 2 //
71 // Exercise 2 //
72 // Exercise 2 //
73 // Exercise 2 //
74 // Exercise 2 //
75 // Exercise 2 //
76 // Exercise 2 //
77 // Exercise 2 //
78 // Exercise 2 //
79 // Exercise 2 //
80 // Exercise 2 //
81 // Exercise 2 //
82 // Exercise 2 //
83 // Exercise 2 //
84 // Exercise 2 //
85 // Exercise 2 //
86 // Exercise 2 //
87 // Exercise 2 //
88 // Exercise 2 //
89 // Exercise 2 //
90 // Exercise 2 //
91 // Exercise 2 //
92 // Exercise 2 //
93 // Exercise 2 //
94 // Exercise 2 //
95 // Exercise 2 //
96 // Exercise 2 //
97 // Exercise 2 //
98 // Exercise 2 //
99 // Exercise 2 //
100 // Exercise 2 //

```

```

1 // Switches 1 to 10, range 1 to 10, sequential numbers
2 public class Switch1 {
3
4     //
5
6     public static void main(String[] args) {
7         if (args.length > 0) {
8             return 0;
9         } else if (args.length > 1) {
10             return 1;
11         } else if (args.length > 2) {
12             return 2;
13         } else if (args.length > 3) {
14             return 3;
15         } else if (args.length > 4) {
16             return 4;
17         } else if (args.length > 5) {
18             return 5;
19         } else if (args.length > 6) {
20             return 6;
21         } else if (args.length > 7) {
22             return 7;
23         } else if (args.length > 8) {
24             return 8;
25         } else if (args.length > 9) {
26             return 9;
27         } else {
28             return 0;
29         }
30     }
31
32     public static String sequentialNumbersOf (static args) {
33         if (args.length > 0) {
34             return "0";
35         } else if (args.length > 1) {
36             return "0,1";
37         } else if (args.length > 2) {
38             return "0,1,2";
39         } else if (args.length > 3) {
40             return "0,1,2,3";
41         } else if (args.length > 4) {
42             return "0,1,2,3,4";
43         } else if (args.length > 5) {
44             return "0,1,2,3,4,5";
45         } else if (args.length > 6) {
46             return "0,1,2,3,4,5,6";
47         } else if (args.length > 7) {
48             return "0,1,2,3,4,5,6,7";
49         } else if (args.length > 8) {
50             return "0,1,2,3,4,5,6,7,8";
51         } else if (args.length > 9) {
52             return "0,1,2,3,4,5,6,7,8,9";
53         } else {
54             return "0";
55         }
56     }
57 }

```



```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Windows PowerShell
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PS C:\Users\ASUS\KULIAH NIAR S2> & "C:\Program Files\Java\jdk-20\bin\java.exe" "-Xc:ShowCodeDetails\RuntimeExceptionMessages" "-cp" "C:\Users\ASUS\AppData\Roaming\Code\User\workspaceStorage\1345542c6928ef86c965d8b58441d1a\redhat.java\jdk_ws\KULIAH NIAR S2_8f86f18d\bin" "Tugas206"
Masukkan kode plat nomor : B 3425 SE
Nama kota: Jawa Barat
PS C:\Users\ASUS\KULIAH NIAR S2> c:: cd 'c:\Users\ASUS\KULIAH NIAR S2'; & "C:\Program Files\Java\jdk-20\bin\java.exe" "-Xc:ShowCodeDetails\RuntimeExceptionMessages" "-cp" "C:\Users\ASUS\AppData\Roaming\Code\User\workspaceStorage\1345542c6928ef86c965d8b58441d1a\redhat.java\jdk_ws\KULIAH NIAR S2_8f86f18d\bin" "Tugas206"
Masukkan kode plat nomor : N 5402 VI
Kode plat tidak valid!
PS C:\Users\ASUS\KULIAH NIAR S2>

```

## • TUGAS 2

```

Tugas206.java
1 import java.util.Scanner;
2 public class Tugas206 {
3
4     public static void main(String[] args) {
5         Scanner input00 = new Scanner(System.in);
6
7         System.out.println("Pilih rumus yang ingin dihitung :");
8         System.out.println("1. Kecepatan");
9         System.out.println("2. Jarak");
10        System.out.println("3. Waktu");
11
12        int pilihan = input00.nextInt();
13
14        switch (pilihan) {
15            case 1:
16                hitungKecepatan(input00);
17                break;
18            case 2:
19                hitungJarak(input00);
20                break;
21            case 3:
22                hitungWaktu(input00);
23                break;
24            default:
25                System.out.println("Pilihan tidak valid!");
26        }
27    }
28 }

```

```

Tugas206.java
28 public static void hitungKecepatan(Scanner input00) {
29     System.out.println("Masukkan jarak (meter): ");
30     double jarak = input00.nextDouble();
31
32     System.out.println("Masukkan waktu (detik): ");
33     double waktu = input00.nextDouble();
34
35     double kecepatan = jarak / waktu;
36
37     System.out.println("Kecepatan: " + kecepatan + " m/s");
38 }
39
40 public static void hitungJarak(Scanner input00) {
41     System.out.println("Masukkan kecepatan (meter/detik): ");
42     double kecepatan = input00.nextDouble();
43
44     System.out.println("Masukkan waktu (detik): ");
45     double waktu = input00.nextDouble();
46
47     double jarak = kecepatan * waktu;
48
49     System.out.println("Jarak: " + jarak + " meter");
50 }
51
52 public static void hitungWaktu(Scanner input00) {
53     System.out.println("Masukkan jarak (meter): ");
54     double jarak = input00.nextDouble();
55
56     System.out.println("Masukkan kecepatan (meter/detik): ");
57     double kecepatan = input00.nextDouble();
58
59     double waktu = jarak / kecepatan;
60
61     System.out.println("Waktu: " + waktu + " detik");
62 }

```

```

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PS C:\Users\ASUS\KULIAH NIAR S2> & "C:\Program Files\Java\jdk-20\bin\java.exe" "-Xc:ShowCodeDetails\RuntimeExceptionMessages" "-cp" "C:\Users\ASUS\AppData\Roaming\Code\User\workspaceStorage\1345542c6928ef86c965d8b58441d1a\redhat.java\jdk_ws\KULIAH NIAR S2_8f86f18d\bin" "Tugas206"
Pilih rumus yang ingin dihitung :
1. Kecepatan
2. Jarak
3. Waktu
Pilihan menu yang dipilih :
1
Masukkan jarak (meter): 200
Masukkan waktu (detik): 60
Kecepatan: 3.3333333333333335 m/s
PS C:\Users\ASUS\KULIAH NIAR S2>

```

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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PS C:\Users\ASUS\KULIAH NIAR S2> & "C:\Program Files\Java\jdk-20\bin\java.exe" "-Xc:ShowCodeDetails\RuntimeExceptionMessages" "-cp" "C:\Users\ASUS\AppData\Roaming\Code\User\workspaceStorage\1345542c6928ef86c965d8b58441d1a\redhat.java\jdk_ws\KULIAH NIAR S2_8f86f18d\bin" "Tugas206"
Pilih rumus yang ingin dihitung :
1. Kecepatan
2. Jarak
3. Waktu
Pilihan menu yang dipilih :
2
Masukkan kecepatan (meter/detik): 5
Masukkan waktu (detik): 60
Jarak: 300.0 meter
PS C:\Users\ASUS\KULIAH NIAR S2>

```

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

IAHH NIAR S2_8f86f18d\bin' 'Tugas206'
Pilih rumus yang ingin dihitung :
1. Kecepatan
2. Jarak
3. Waktu
Pilihan menu yang dipilih :
3
Masukkan jarak (meter): 100
Masukkan kecepatan (meter/detik): 20
Waktu: 5.0 detik

```

Menghitung Kecepatan

Menghitung Jarak

Menghitung Waktu