



Laporan Jobsheet 1

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Kelas :Sib 1B

1. Pemilihan :

```
J Pemilihan.java >  Pemilihan >  main(String[])
3 public class Pemilihan {
4     Run | Debug
5     public static void main(String[] args) {
6         Scanner scanner = new Scanner(System.in);
7
8         System.out.print(s:"Masukkan nilai tugas: ");
9         double nilaiTugas = scanner.nextDouble();
10        System.out.print(s:"Masukkan nilai kuis: ");
11        double nilaiKuis = scanner.nextDouble();
12        System.out.print(s:"Masukkan nilai UTS: ");
13        double nilaiUTS = scanner.nextDouble();
14        System.out.print(s:"Masukkan nilai UAS: ");
15        double nilaiUAS = scanner.nextDouble();
16
17        if (nilaiTugas < 0 || nilaiTugas > 100 ||
18            nilaiKuis < 0 || nilaiKuis > 100 ||
19            nilaiUTS < 0 || nilaiUTS > 100 ||
20            nilaiUAS < 0 || nilaiUAS > 100) {
21            System.out.println(x:"Nilai tidak valid!");
22            return;
23        }
24
25        double nilaiAkhir = (0.2 * nilaiTugas) + (0.2 * nilaiKuis) + (0.3 * nilaiUTS) + (0.3 * nilaiUAS);
26
27        String nilaiHuruf;
28        if (nilaiAkhir >= 80) {
29            nilaiHuruf = "A";
30        }
31        else if (nilaiAkhir >= 73) {
32            nilaiHuruf = "B+";
33        }
34        else if (nilaiAkhir >= 65) {
35            nilaiHuruf = "B";
36        }
37        else if (nilaiAkhir >= 60) {
38            nilaiHuruf = "C+";
39        }
40        else if (nilaiAkhir >= 50) {
41            nilaiHuruf = "C";
42        }
43        else if (nilaiAkhir >= 39) {
44            nilaiHuruf = "D";
45        }
46        else {
47            nilaiHuruf = "E";
48        }
49
50        String keterangan;
51        if (nilaiHuruf.equals(anObject:"A") || nilaiHuruf.equals(anObject:"B+") || nilaiHuruf.equals(anObject:"B") ||
52            nilaiHuruf.equals(anObject:"C+") || nilaiHuruf.equals(anObject:"C")) {
53            keterangan = "LULUS";
54        }
55        else {
56            keterangan = "TIDAK LULUS";
57        }
58
59        System.out.println("Nilai akhir: " + nilaiAkhir);
60        System.out.println("Nilai huruf: " + nilaiHuruf);
61        System.out.println("Keterangan: " + keterangan);
62    }
63 }
```

2. Perulangan :

```
Perulangan.java > Perulangan > main(String[])
1  import java.util.Scanner;
2
3  public class Perulangan {
4
5      Run | Debug
6      public static void main(String[] args) {
7          Scanner scanner = new Scanner(System.in);
8
9          System.out.print(s:"Masukkan NIM: ");
10         double nim = scanner.nextDouble();
11
12         double n = nim % 100;
13
14         if (n < 10) {
15             n += 10;
16         }
17         for (int i = 1; i <= n; i++) {
18             if (i == 6 || i == 10) {
19                 continue;
20             } else if (i % 2 == 0) {
21                 System.out.print(i + " ");
22             } else {
23                 System.out.print(s:"* ");
24             }
25         }
26         System.out.println();
27     }
28 }
29
```

3. Array :

Array.java > Array > main(String[])

```
3 public class Array {
4
5     Run | Debug
6     public static void main(String[] args) {
7         Scanner scanner = new Scanner(System.in);
8         Scanner scanner2 = new Scanner(System.in);
9
10        int jumlahMatakuliah;
11        String[] namaMatakuliah;
12        double[] bobotSks;
13        String[] nilaiHuruf;
14        double[] nilaiAngka;
15        double totalNilai = 0;
16        double totalSks = 0;
17
18        System.out.print(s:"Masukkan jumlah matakuliah: ");
19        jumlahMatakuliah = scanner.nextInt();
20
21        namaMatakuliah = new String[jumlahMatakuliah];
22        bobotSks = new double[jumlahMatakuliah];
23        nilaiHuruf = new String[jumlahMatakuliah];
24        nilaiAngka = new double[jumlahMatakuliah];
25
26        for (int i = 0; i < jumlahMatakuliah; i++) {
27            System.out.printf(format:"Matakuliah ke-%d:\n", i + 1);
28            System.out.print(s:"Nama Matakuliah: ");
29            namaMatakuliah[i] = scanner2.nextLine();
30            System.out.print(s:"Bobot SKS: ");
31            bobotSks[i] = scanner.nextDouble();
32            System.out.print(s:"Nilai Huruf: ");
33            nilaiHuruf[i] = scanner.next();
34
35            switch (nilaiHuruf[i]) {
36                case "A":
37                    nilaiAngka[i] = 4.0;
38                    break;
39                case "AB":
40                    nilaiAngka[i] = 3.5;
41                    break;
42                case "B":
43                    nilaiAngka[i] = 3.0;
44                    break;
45                case "BC":
46                    nilaiAngka[i] = 2.5;
47                    break;
48                case "C":
49                    nilaiAngka[i] = 2.0;
50                    break;
51                case "D":
52                    nilaiAngka[i] = 1.0;
53                    break;
54                default:
55                    nilaiAngka[i] = 0.0;
56            }
57
58            totalNilai += nilaiAngka[i] * bobotSks[i];
59            totalSks += bobotSks[i];
60        }
61
62        double ipSemester = totalNilai / totalSks;
63
64        System.out.println(x:"\nHasil Perhitungan IP Semester:");
65        System.out.println(x:"-----");
66        System.out.printf(format:"Total Nilai: %.2f\n", totalNilai);
67        System.out.printf(format:"Total SKS: %.2f\n", totalSks);
68        System.out.printf(format:"IP Semester: %.2f\n", ipSemester);
69    }
70 }
```

4. Fungsi :

J Fungsijava > Fungsi > STOCK_BUNGA

```
1  import java.util.Scanner;
2
3  public class Fungsi {
4
5      private static final int[][] STOCK_BUNGA = {
6          {10, 5, 15, 7},
7          {6, 11, 9, 12},
8          {2, 10, 10, 5},
9          {5, 7, 12, 9}
10     };
11
12     private static final String[] NAMA_CABANG = {
13         "RoyalGarden 1",
14         "RoyalGarden 2",
15         "RoyalGarden 3",
16         "RoyalGarden 4"
17     };
18
19     private static final int[] HARGA_BUNGA = {
20         75000,
21         50000,
22         60000,
23         10000
24     };
25
26     private static final String[] JENIS_BUNGA = {
27         "Aglonema",
28         "Keladi",
29         "Alocasia",
30         "Mawar"
31     };
32
33     Run|Debug
34     public static void main(String[] args) {
35         Scanner scanner = new Scanner(System.in);
36
37         System.out.println(x:"Pendapatan setiap cabang jika semua bunga terjual:");
38         for (int i = 0; i < STOCK_BUNGA.length; i++) {
39             int totalPendapatanCabang = 0;
40             for (int j = 0; j < STOCK_BUNGA[i].length; j++) {
41                 totalPendapatanCabang += STOCK_BUNGA[i][j] * HARGA_BUNGA[j];
42             }
43             System.out.printf(format:"%s: Rp%d\n", NAMA_CABANG[i], totalPendapatanCabang);
44         }
45
46         System.out.println(x:"\nJumlah stock bunga di RoyalGarden 4 setelah pengurangan:");
47         int[] penguranganStock = new int[JENIS_BUNGA.length];
48         for (int i = 0; i < JENIS_BUNGA.length; i++) {
49             System.out.print(JENIS_BUNGA[i] + ": ");
50             penguranganStock[i] = scanner.nextInt();
51         }
52
53         for (int i = 0; i < JENIS_BUNGA.length; i++) {
54             int stockAkhir = STOCK_BUNGA[3][i] - penguranganStock[i];
55             System.out.printf(format:"%s: %d\n", JENIS_BUNGA[i], stockAkhir);
56         }
57     }
58 }
```