



# INSTITUT BISNIS DAN INFORMATIKA KESATUAN IBIK

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Kelas: TI-21-KA Jurusan: Teknologi Informasi	Mata Kuliah: Lab Pemrogramman Berorientasi Objek	Jenis: TUGAS

## Screen Capture Tugas Codingan

### 1. Latihan02

```
1  import java.util.Scanner;
2
3  public class konversi {
4
5      public static void main(String[] args) {
6          Scanner input = new Scanner(System.in);
7          System.out.println("Masukkan Suhu = ");
8          int celcius = input.nextInt();
9
10         konversi suhu = new konversi(); //Object > Class nama_objek = new class();
11
12         suhu.celciusToFahrenheit(celcius);
13
14         int reamur = celciusToReamur(celcius);
15
16         System.out.println("Konversi ke reamur ");
17         System.out.println("Hasil konversi = " + reamur);
18
19         int kelvin = celciusToKelvin(celcius);
20
21         System.out.println("Konversi ke kelvin ");
22         System.out.println("Hasil konversi = " + kelvin);
23
24         input.close(); //closing of input method, must be declared
25
26     }
27
28     void celciusToFahrenheit(int suhu) {
29         int fahrenheit = ((9/5)*suhu)+32;
30
31         System.out.println("Konversi dari celcius ke fahrenheit");
32         System.out.println("Hasil Konversi = " + fahrenheit);
33     }
34
35     static int celciusToReamur(int suhu) {
36         int reamur = suhu *4/5;
37         return reamur;
38     }
39
40     static int celciusToKelvin(int suhu) {
41         int kelvin = suhu + 273;
42         return kelvin;
43     }
44
45 }
46
```

## 2. Latihan03

```
1  import java.util.Scanner;
2
3  public class Latihan03 {
4      int r, t;
5      double hasil;
6      double phi = 3.14;
7
8      Scanner input = new Scanner(System.in);
9
10     void segitigaKerucut() {
11         System.out.println("Masukan jari - jari alas kerucut = ");
12         r = input.nextInt();
13         System.out.println("Masukkan tinggi kerucut = ");
14         t = input.nextInt();
15         hasil = 1 / (int) 3 * phi * r * r * t;
16         System.out.println("Hasilnya adalah :" + hasil);
17     }
18
19     void Tabung() {
20         System.out.println("Masukan jari - jari tabung = ");
21         r = input.nextInt();
22         System.out.println("Masukan tinggi tabung = ");
23         t = input.nextInt();
24         hasil = phi*r*r*t;
25         System.out.println("Hasilnya adalah :" + hasil);
26     }
27
28     public static void main(String[] args) {
29         Scanner input = new Scanner(System.in);
30         String pilihanUser;
31         Latihan03 objek = new Latihan03();
32         System.out.println("Menghitung Bangun Ruang");
33
34
35         System.out.println("1. Mencari Volume Segitiga Kerucut");
36         System.out.println("2. Mencari Volume Tabung");
37         System.out.println("=====");
38         System.out.println("Silahkan pilih bangun ruang yang akan dihitung");
39         int pilih = input.nextInt();
40
41         switch(pilih) {
42
43             case 1:
44                 System.out.println("Anda memilih Segitiga Kerucut");
45                 objek.segitigaKerucut();
46                 break;
47
48             case 2:
49                 System.out.println("Anda memilih Tabung");
50                 objek.Tabung();
51             }
52
53         input.close();
54     }
55 }
56
57 }
58
```

### 3. Latihan04

```
1 import java.util.Scanner;
2 import java.time.LocalDateTime; // Import the LocalDateTime class
3 import java.time.format.DateTimeFormatter; // Import the DateTimeFormatter class
4
5 public class Latihan04 {
6     public static void main(String[] args) {
7         Scanner input = new Scanner(System.in);
8
9         int jumlah;
10        int harga = 6300;
11        String barang = "ROTI ENAK";
12
13        LocalDateTime myDateObj = LocalDateTime.now();
14        DateTimeFormatter myFormatObj = DateTimeFormatter.ofPattern("dd MMM yyyy (HH:mm)");
15        String formattedDate = myDateObj.format(myFormatObj);
16
17        System.out.println();
18        System.out.println();
19        System.out.println("=====");
20        System.out.println("          TOKO SERBAGUNA IBIK          ");
21        System.out.println("=====");
22        System.out.print("Masukan jumlah produk yang dibeli :");
23        jumlah = input.nextInt();
24        System.out.println();
25        System.out.println(formattedDate);
26        System.out.println("ITEM          QTY          HARGA          TOTAL");
27        System.out.println("=====");
28        System.out.print(barang);
29        System.out.print("\t" + jumlah);
30        System.out.print("\t\tRp." + harga);
31        int total = harga * jumlah;
32        System.out.print("\t\tRp." + total);
33        System.out.println();
34        System.out.println("-----");
35        System.out.println("Diskon :");
36        int diskon = 5;
37        int potongan = total - (total / 100 * (diskon * (jumlah / 3)));
38        if(jumlah %3 == 0) {
39            System.out.print("Diskon : ");
40            System.out.println(diskon*(jumlah/3)+ "%");
41            System.out.print("Sub Total : " + potongan);
42        }
43        else if(jumlah %3 !=0) {
44            System.out.print("Diskon : ");
45            System.out.println(diskon*(jumlah/3) + "%");
46            System.out.print("Sub Total : Rp."+potongan);
47        }
48
49        input.close();
50    }
51 }
52 }
53 }
```

#### 4. Latihan05

```
1 import java.util.Scanner;
2 public class Latihan05 {
3
4     public static void main(String[] args) {
5         // creates an object of Scanner
6         Scanner input = new Scanner(System.in);
7
8         System.out.print("Enter your text: ");
9
10        // takes input from the keyboard
11        String name = input.nextLine();
12
13        // prints the name
14        System.out.println(name.toUpperCase());
15
16        // closes the scanner
17        input.close();
18    }
19 }
```

#### 5. Latihan06

```
1 import java.util.Scanner;
2 public class Latihan06 {
3
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6
7         System.out.print("Masukan Usia :");
8         String str1 = input.nextLine();
9         System.out.print("Masukan Namadepan :");
10        String str2 = input.nextLine();
11        System.out.print("Masukan Namabelakang :");
12        String str3 = input.nextLine();
13        System.out.print("Masukan NPM Anda :");
14        String str4 = input.nextLine();
15
16        System.out.println(str1 + str2 + str3 + str4);
17
18        input.close();
19    }
20 }
21
22 }
23 }
```

## 6. Latihan07

```
1 import java.util.Scanner;
2 public class Latihan07 {
3
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6
7         System.out.print("Masukan Nama Anda :");
8         String nama = input.nextLine();
9         for (int i = 0; i < nama.length(); i++){
10             if(nama.charAt(i) == 'a' || nama.charAt(i) == 'i' || nama.charAt(i) == 'u' || nama.charAt(i) == 'e' || nama.charAt(i) == 'o' ) {
11                 System.out.print("X");
12                 i++;
13             }
14             System.out.print(nama.charAt(i));
15         }
16     }
17
18
19
20     input.close();
21 }
22
23
24 }
25
```

## 7. Latihan08

```
1 import java.util.Scanner;
2 public class Latihan08 {
3
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6
7         String npm,fullname,ipk,classname,semester;
8
9         System.out.println("## Program Java Data Mahasiswa ##");
10        System.out.println("=====");
11        System.out.print("Masukan NPM : ");
12        npm = input.nextLine();
13
14        System.out.print("Masukan Nama Lengkap : ");
15        fullname = input.nextLine();
16
17        System.out.print("Masukan Nama Kelas : ");
18        classname = input.nextLine();
19
20        System.out.print("Masukan Semester : ");
21        semester = input.nextLine();
22
23        System.out.print("Masukan IPK : ");
24        ipk = input.nextLine();
25
26        System.out.println();
27        System.out.println("## Data Record ##");
28        System.out.println("=====");
29        System.out.println("NPM : " + npm);
30        System.out.println("Nama Lengkap : " + fullname);
31        System.out.println("Nama Kelas : " + classname);
32        System.out.println("Semester : " + semester);
33        System.out.println("IPK : " + ipk);
34
35        input.close();
36    }
37
38 }
39
```

## 8. Latihan09

```
1  import java.util.Scanner;
2
3  class Students{
4
5  }
6
7  public class Latihan09 {
8      public static void main(String[] args) {
9          Scanner input = new Scanner(System.in);
10
11          String fullname;
12          String classname;
13          int npm,semester;
14          float gpa;
15
16          System.out.println("## Program Java Data Mahasiswa ##");
17          System.out.println("=====");
18          System.out.print("Masukan NPM : " );
19          npm = input.nextInt();
20
21          System.out.println("Masukan Nama Lengkap : ");
22          fullname = input.nextLine();
23
24          System.out.println("Masukan Nama Kelas : ");
25          classname = input.nextLine();
26
27          System.out.print("Masukan Semester : ");
28          semester = input.nextInt();
29
30          System.out.print("Masukan IPK : ");
31          gpa = input.nextFloat();
32
33          System.out.println();
34          System.out.println("## Data Record ##");
35          System.out.println("=====");
36          System.out.println("NPM : " + npm);
37          System.out.println("Nama Lengkap : " + fullname);
38          System.out.println("Nama Kelas : " + classname);
39          System.out.println("Semester : " + semester);
40          System.out.println("IPK : " + gpa);
41
42          input.close();
43      }
44
45  }
```