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

Screen Capture Tugas Codingan

1. Latihan02


```java
import java.util.Scanner;

public class konversi {

    public static void main(String[] args) {
    Scanner input = new Scanner(System.in);
    System.out.println("Masukkan Suhu = ");
    int celcius = input.nextInt();

    konversi suhu = new konversi(); //Object > Class nama_objek = new class();

    suhu.celciusToFahrenheit(celcius);

    int reamur = celciusToReamur(celcius);

    System.out.println("Konversi ke reamur ");
    System.out.println("Hasil konversi = " +reamur);

    int kelvin = celciusToKelvin(celcius);

    System.out.println("Konversi ke kelvin ");
    System.out.println("Hasil konversi = " +kelvin);

    input.close(); //closing of input method, must be declared

    }

    void celciusToFahrenheit(int suhu) {
        int fahrenheit = ((9/5)*suhu)+32;

        System.out.println("Konversi dari celcius ke fahrenheit");
        System.out.println("Hasil Konversi = " + fahrenheit);
    }

    static int celciusToReamur(int suhu) {
    int reamur = suhu *4/5;
    return reamur;
    }

    static int celciusToKelvin(int suhu) {
        int kelvin = suhu + 273;
        return kelvin;
    }
}
```

2. Latihan03

```java
import java.util.Scanner;

public class Latihan03 {
    int r, t;
    double hasil;
    double phi = 3.14;

    Scanner input = new Scanner(System.in);

void segitigaKerucut() {
    System.out.println("Masukan jari - jari alas kerucut = ");
        r = input.nextInt();
        System.out.println("Masukkan tinggi kerucut = ");
        t = input.nextInt();
        hasil = 1 / (int) 3 * phi * r * r * t;
        System.out.println("Hasilnya adalah :" + hasil);
}

void Tabung() {
    System.out.println("Masukan jari - jari tabung = ");
        r = input.nextInt();
        System.out.println("Masukan tinggi tabung = ");
        t = input.nextInt();
        hasil = phi*r*r*t;
        System.out.println("Hasilnya adalah :" + hasil);
}

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        String pilihanUser;
        Latihan03 objek = new Latihan03();
    System.out.println("Menghitung Bangun Ruang");


    System.out.println("1. Mencari Volume Segitiga Kerucut");
    System.out.println("2. Mencari Volume Tabung");
    System.out.println("===================================");
    System.out.println("Silahkan pilih bangun ruang yang akan dihitung");
    int pilih = input.nextInt();

    switch(pilih) {

    case 1:
        System.out.println("Anda memilih Segitiga Kerucut");
        objek.segitigaKerucut();
        break;

    case 2:
        System.out.println("Anda memilih Tabung");
        objek.Tabung();
    }

    input.close();

    }

}
```

3. Latihan04

```java
import java.util.Scanner;
import java.time.LocalDateTime; // Import the LocalDateTime class
import java.time.format.DateTimeFormatter; // Import the DateTimeFormatter class

public class Latihan04 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        int jumlah;
        int harga = 6300;
        String barang = "ROTI ENAK";

        LocalDateTime myDateObj = LocalDateTime.now();
        DateTimeFormatter myFormatObj = DateTimeFormatter.ofPattern("dd MMM yyyy (HH:mm)");
        String formattedDate = myDateObj.format(myFormatObj);

        System.out.println();
        System.out.println();
        System.out.println("=====================================================");
        System.out.println("          TOKO SERBAGUNA IBIK                ");
        System.out.println("=====================================================");
        System.out.print("Masukan jumlah produk yang dibeli :");
        jumlah = input.nextInt();
        System.out.println();
        System.out.println(formattedDate);
        System.out.println("ITEM            QTY            HARGA            TOTAL");
        System.out.println("=====================================================");
        System.out.print(barang);
        System.out.print("\t" + jumlah);
        System.out.print("\t\tRp." + harga);
        int total = harga * jumlah;
        System.out.print("\t\tRp." + total);
        System.out.println();
        System.out.println("-----------------------------------------------------");
        System.out.println("Diskon :");
        int diskon = 5;
        int potongan = total - (total / 100 * (diskon * (jumlah / 3)));
        if(jumlah %3 == 0) {
            System.out.print("Diskon : ");
            System.out.println(diskon*(jumlah/3)+ "%");
            System.out.print("Sub Total :" + potongan);
        }
        else if(jumlah %3 !=0) {
            System.out.print("Diskon : ");
            System.out.println(diskon*(jumlah/3) + "%");
            System.out.print("Sub Total : Rp."+potongan);
        }

        input.close();
    }
}
```

4. Latihan05

```java
import java.util.Scanner;
public class Latihan05 {

    public static void main(String[] args) {
        // creates an object of Scanner
        Scanner input = new Scanner(System.in);

        System.out.print("Enter your text: ");

        // takes input from the keyboard
        String name = input.nextLine();

        // prints the name
        System.out.println(name.toUpperCase());

        // closes the scanner
        input.close();
    }
}
```

5. Latihan06

```java
import java.util.Scanner;
public class Latihan06 {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        System.out.print("Masukan Usia :");
        String str1 = input.nextLine();
        System.out.print("Masukan Namadepan :");
        String str2 = input.nextLine();
        System.out.print("Masukan Namabelakang :");
        String str3 = input.nextLine();
        System.out.print("Masukan NPM Anda :");
        String str4 = input.nextLine();

        System.out.println(str1 + str2 + str3 + str4);


        input.close();
    }
}
```

6. Latihan07

```java
import java.util.Scanner;
public class Latihan07 {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        System.out.print("Masukan Nama Anda :");
        String nama = input.nextLine();
        for (int i = 0; i < nama.length(); i++){
            if(nama.charAt(i) == 'a' || nama.charAt(i) == 'i' || nama.charAt(i) == 'u' || nama.charAt(i) == 'e' || nama.charAt(i) == 'o' ) {
                System.out.print("X");
                i++;
            }
            System.out.print(nama.charAt(i));

        }


        input.close();

    }

}
```

7. Latihan08

```java
import java.util.Scanner;
public class Latihan08 {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        String npm,fullname,ipk,classname,semester;

        System.out.println("##  Program Java Data Mahasiswa ##");
        System.out.println("==========================================");
        System.out.print("Masukan NPM : " );
        npm = input.nextLine();

        System.out.print("Masukan Nama Lengkap : ");
        fullname = input.nextLine();

        System.out.print("Masukan Nama Kelas : ");
        classname = input.nextLine();

        System.out.print("Masukan Semester : ");
        semester = input.nextLine();

        System.out.print("Masukan IPK : ");
        ipk = input.nextLine();

        System.out.println();
        System.out.println("##  Data Record ##");
        System.out.println("======================");
        System.out.println("NPM : " + npm);
        System.out.println("Nama Lengkap : " + fullname);
        System.out.println("Nama Kelas : " + classname);
        System.out.println("Semester : " + semester);
        System.out.println("IPK : " + ipk);

        input.close();
    }

}
```

8. Latihan09

```java
import java.util.Scanner;

class Students{

}

public class Latihan09 {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        String fullname;
        String classname;
        int npm,semester;
        float gpa;

        System.out.println("##  Program Java Data Mahasiswa ##");
        System.out.println("=========================================");
        System.out.print("Masukan NPM : " );
        npm = input.nextInt();

        System.out.println("Masukan Nama Lengkap : ");
        fullname = input.nextLine();

        System.out.println("Masukan Nama Kelas : ");
        classname = input.nextLine();

        System.out.print("Masukan Semester : ");
        semester = input.nextInt();

        System.out.print("Masukan IPK : ");
        gpa = input.nextFloat();

        System.out.println();
        System.out.println("##  Data Record ##");
        System.out.println("=======================");
        System.out.println("NPM : " + npm);
        System.out.println("Nama Lengkap : " + fullname);
        System.out.println("Nama Kelas : " + classname);
        System.out.println("Semester : " + semester);
        System.out.println("IPK : " + gpa);

        input.close();
    }

}
```