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1. Tugas 1 : Membuat inherit dari class mobil
   Hasil Program :

```
Hidupkan Mobil : Avanza Silver
Ubah Gigi Mobil : Avanza Silver
 Maju...
 Mundur...
 Belok...
Roda Avanza : 4
Roda Xenia : 4
Mesin Avanza : 1
Mesin Xenia : 1
Roda Avanza : 5
Roda Xenia : 4
Mesin Avanza : 9
Mesin Xenia : 9
Mesin Avanza : 9
Mesin Xenia : 9
Matikan Mobil : Avanza Silver
 Tv dihidupkan
 Tv mencari channel
 Tv menampilkan gambar
```

Code Program :

```
1   class televisi
2   {
3       televisi(String T)
4       {
5           System.out.println(" "+T);
6       }
7   }
8   class channel
9   {
10      channel(String C)
11      {
12          System.out.println(" "+C);
13      }
14  }
15  class gambar
16  {
17      gambar(String g)
18      {
19          System.out.println(" "+g);
20      }
21  }
```

```java
public class mobilbmw {
    public String merek1;
    public String merek2;
    public String warna;
    public String maju;
    public String mundur;
    public String belok;

    public String rodaAvanza;
    public String rodaXenia;
    public String mesinAvanza;
    public String mesinXenia;
    public String rodaAvanza2;
    public String rodaXenia2;
    public String mesinAvanza2;
    public String mesinXenia2;
    public String mesinAvanza3;
    public String mesinXenia3;
```

```java
public void mobilku(String merek1, String merek2,
                    String warna, String maju, String mundur, String belok,
                    String rodaAvanza, String rodaXenia,
                    String mesinAvanza, String mesinXenia, String rodaAvanza2, String rodaXenia2,
                    String mesinAvanza2,String mesinXenia2, String mesinAvanza3, String mesinXenia3)
    {
```

```java
    this.merek1 = merek1;
        this.merek2 = merek2;
        this.warna = warna; //warnanya bla
        this.maju = maju;
        this.mundur = mundur;
        this.belok = belok;
        this.rodaAvanza = rodaAvanza; //ou
        this.rodaXenia = rodaXenia; //outp
        this.mesinAvanza = mesinAvanza; //
        this.mesinXenia = mesinXenia; //ou

        this.rodaAvanza2 = rodaAvanza2; //
        this.rodaXenia2 = rodaXenia2; //ou

        this.mesinAvanza2 = mesinAvanza2;
        this.mesinXenia2 = mesinXenia2; //

        this.mesinAvanza3 = mesinAvanza3;
        this.mesinXenia3 = mesinXenia3; //
    }
```

```java
public void info(){
        System.out.println("Hidupkan Mobil : "+this.merek1 + this.warna);
        System.out.println("Ubah Gigi Mobil : "+this.merek1 + this.warna);
        System.out.println(" "+this.maju);
        System.out.println(" "+this.mundur);
        System.out.println(" "+this.belok);
        System.out.println("Roda Avanza : "+this.rodaAvanza);
        System.out.println("Roda Xenia : "+this.rodaXenia);
        System.out.println("Mesin Avanza : "+this.mesinAvanza);
        System.out.println("Mesin Xenia : "+this.mesinXenia);
        System.out.println("Roda Avanza : "+this.rodaAvanza2);
        System.out.println("Roda Xenia : "+this.rodaXenia2);
        System.out.println("Mesin Avanza : "+this.mesinAvanza2);
        System.out.println("Mesin Xenia : "+this.mesinXenia2);
        System.out.println("Mesin Avanza : "+this.mesinAvanza3);
        System.out.println("Mesin Xenia : "+this.mesinXenia3);
        System.out.println("Matikan Mobil : "+this.merek1 + this.warna);

    }

}
```

```java
       💡 Click here to ask Blackbox to help you code faster
1      public class mobilbmwdemo {
           Run | Debug
2          public static void main(String[]args)
3          {
4              mobilbmw BMW = new mobilbmw();
5
6              BMW.merek1 = "Avanza";
7              BMW.merek2 = "Xenia";
8              BMW.warna = " Silver";
9
10             BMW.maju = "Maju...";
11             BMW.mundur = "Mundur...";
12             BMW.belok = "Belok...";
13
14             BMW.rodaAvanza = "4";
15             BMW.rodaXenia = "4";
16
17             BMW.mesinAvanza = "1";
18             BMW.mesinXenia = "1";
19
20             BMW.rodaAvanza2 = "5";
21             BMW.rodaXenia2 = "4";
22
23   💡        BMW.mesinAvanza2 = "9";
24             BMW.mesinXenia2 = "9";
25
26             BMW.mesinAvanza3 = "9";
27             BMW.mesinXenia3 = "9";
28
29             BMW.info();
```

```java
24             BMW.mesinXenia2 = "9";
25
26             BMW.mesinAvanza3 = "9";
27             BMW.mesinXenia3 = "9";
28
29             BMW.info();
30
31             new televisi(T:"Tv dihidupkan");
32             new channel(C:"Tv mencari channel");
33             new gambar(g:"Tv menampilkan gambar");
34
35         }
36     }
```

2. Tugas 2 : Membuat program karyawan tetap dan karyawan kontrak
   Hasil Program :

```
Data karyawan :
NIP          :
2
Nama :
joko
Status Pegawai : 1
--Karyawan Tetap--Gaji pokok :
2000000
Jumlah anak :
2
gaji diterima :2,400,000.00
```

```
Data karyawan :
NIP          :
1
Nama :
budi
Status Pegawai : 2
--Karyawan kontrak--
Upah harian :1000000
jumlah masuk : 15
jumlah anak : 2
upah diterima : 18,000,000.00
```

Code Program :

```java
src > J karyawanbru.java > ...
       💡 Click here to ask Blackbox to help you code faster
1      import java.io.*;
2
3      public class karyawanbru {
4          String nip;
5          String nama;
6          int statuspegawai;
7
8          void inputkaryawan() throws IOException
9          {
10         BufferedReader keyboard = new BufferedReader
11         (new InputStreamReader(System.in));
12         System.out.println(x:"Data karyawan : ");
13         System.out.println(x:"NIP              :");
14         nip = keyboard.readLine();
15         System.out.println(x:"Nama : ");
16         nama = keyboard.readLine();
17         System.out.print  (s:"Status Pegawai : ");
18         statuspegawai=Integer.parseInt(keyboard.readLine());
19         }
20     }
```

```java
import java.io.*;

public class karyawakontrak extends karyawanbru{
    double upahharian;
    int jumlahanak;
    int harimasuk;

    void inputkontrak() throws IOException
    {
        BufferedReader keyboard = new BufferedReader
        (new InputStreamReader(System.in));

        System.out.println(x:"--Karyawan kontrak--");
        System.out.print(s:"Upah harian :");
        upahharian = Double.parseDouble(keyboard.readLine());
        System.out.print(s:"jumlah masuk : ");
        harimasuk = Integer.parseInt(keyboard.readLine());
        System.out.print(s:"jumlah anak : ");
        jumlahanak = Integer.parseInt(keyboard.readLine());


    }

    double totalupah()
    {
        return (harimasuk * upahharian) + (jumlahanak * (0.1 * (harimasuk*upahharian)));
    }
}
```

```java
import java.io.*;

public class karyawanttp extends karyawanbru {
    double gajipokok;
    int jumlahanak;

    void inputtetap() throws IOException
    {
        BufferedReader keyboard = new BufferedReader
        (new InputStreamReader(System.in));

        System.out.print(s:"--Karyawan Tetap--");
        System.out.println(x:"Gaji pokok : ");
        gajipokok = Double.parseDouble(keyboard.readLine());
        System.out.println(x:"Jumlah anak : ");
        jumlahanak = Integer.parseInt(keyboard.readLine());
    }

    double totalgaji()
    {
        return gajipokok + (jumlahanak * (0.1 *gajipokok));
    }
}
```

```
src > J karyawandemo.java > ...
    💡 Click here to ask Blackbox to help you code faster
 1    import java.io.*;
 2    import java.text.DecimalFormat;
 3
 4    public class karyawandemo {
      Run | Debug
 5        public static void main(String[] args) throws IOException {
 6            DecimalFormat df = new DecimalFormat(pattern:"###, ###, ##0.00");
 7            karyawanbru kar = new karyawanbru();
 8            karyawanttp ttp = new karyawanttp();
 9            karyawakontrak kntrk = new karyawakontrak();
10
11            kar.inputkaryawan();
12            if (kar.statuspegawai == 1) {
13                ttp.inputtetap();
14                System.out.println("gaji diterima :" + df.format(ttp.totalgaji()));
15            }else
16            {
17                kntrk.inputkontrak();
18                System.out.println("upah diterima : " + df.format(kntrk.totalupah()));
19            }
20        }
21    }💡
```

3. Tugas 3 : Membuat program dari diagram
   Hasil Program gradedactivity :

```
Point : 70.0
Missed : 3
Grade : A
```

Code Program :

```
src > J gradeactivity.java > ...
    💡 Click here to ask Blackbox to help you code fas
 1    public class gradeactivity {
 2
 3        private double score;//-score :
 4        private String nama;//-name : s
 5
 6        | // Constructors
 7        public gradeactivity(){}//+grad
 8
 9        public gradeactivity(String n)
10        { nama=n; }
11
12        // Mutator methods
13        public void setscore(double s)/
14        { score=s;}
15
16        public double getScore()//+gets
17        { return score;}
18
19        public char getGrade()//+getgra
20        {if (score>=70) //tdk ada di di
21            return 'A';
22            else
23            return 'E';
24        }
25
26    }💡
```

```java
src >  J finalexam.java > ...
        Click here to ask Blackbox to help you code faster
   1    public class finalexam extends gradeactivity
   2    {
   3        private int nummberOfQuestions; //-numberofquestions :
   4        private int numberMissed; //-numbermissed : int
   5        double pointsPerQuestion; //-pointsperquestion : int
   6        //disoal pake tanda -/private tp terjadi error jdi diu
   7
   8        public finalexam (int question, int missed)//+finalexa
   9        {
  10            nummberOfQuestions=question;
  11            numberMissed = missed;
  12
  13        }
  14
  15        public double getpointsperquestion ()//+getpointsperqu
  16        {
  17            return nummberOfQuestions * pointsPerQuestion;
  18        }
  19
  20        public int getnumbermissed()//+getnumbermissed() : int
  21        {return numberMissed;}
  22
  23    }
```

```java
src >  J finaldemo.java > ...
        Click here to ask Blackbox to help you code faster
   1    public class finaldemo {
        Run | Debug
   2        public static void main(String[]args)
   3        {
   4            finalexam  obj = new finalexam(question:7,missed:3);
   5            obj.pointsPerQuestion=10;
   6            System.out.println("Point : " + obj.getpointsperquestion());
   7            System.out.println("Missed : " + obj.getnumbermissed());
   8            obj.setscore(obj.getpointsperquestion());
   9            System.out.println("Grade : " + obj.getGrade());
  10            System.out.println(x:"Minimum pass :");
  11
  12        }
  13    }
```

Hasil Program passfailexam :

```
points : 10.0
missed : 2
minimum : 70.0
grade : A
```

Code Program :

```java
public class passfailactivity {
    private double minimumPassingScore;//-minimumpassing

    public passfailactivity(double minimumPassingScore)/
    {this.minimumPassingScore = minimumPassingScore;}

    public char getgrade ()//+getgradechar() : char
    {
        {if (minimumPassingScore>=70) //tdk ada di diagr
            return 'A';
        else
            return 'E';
        }
    }
}
```

```java
public class passfailexam {
    private int nummberOfQuestions;//-numberofquestion : int
    // double pointsPerQuestion;//-pointsperquestion:double
    private int numberMissed;//-numbermissed : int
    private double minimumPassingScore;//tdk ada di diagram

    public passfailexam(int question, int missed, double minimpass)
    {
        this.nummberOfQuestions = question;
        this.numberMissed = missed;
        this.minimumPassingScore = minimpass;
    }

    public double getpointseach()
    {
        return  100.0/nummberOfQuestions ;
    }

    public int getnummissed()
    {
        return numberMissed;
    }

    public double getMinimumPassingScore() {
        return minimumPassingScore;
    }
}
```

```java
Click here to ask Blackbox to help you code faster
public class passdemo {
    Run | Debug
    public static void main(String[] args) {
        passfailexam ojk = new passfailexam(question:10,missed:2,minimpass:70);
        System.out.println("points : " + ojk.getpointseach());
        System.out.println("missed : " + ojk.getnummissed());
        System.out.println("minimum : " + ojk.getMinimumPassingScore());

        passfailactivity act = new passfailactivity(minimumPassingScore:70);
        System.out.println("grade : " + act.getgrade());
    }
}
```