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Kelas   : PTI - A

1. Source Code

   a) Class Pegawai

```java
package Polymorphism;

public class Pegawai extends Object{
    private String nama;
    private String noKTP;

    public Pegawai(String nama, String noKTP){
        this.nama = nama;
        this.noKTP = noKTP;
    }

    public String getNama() {
        return nama;
    }

    public String getNoKTP() {
        return noKTP;
    }

    public String toString() {
        return "Pegawai\t\t: " +getNama()+ "\nNo. KTP\t\t\t: " +getNoKTP();
    }

    public double gaji() {
        return 0;
    }

}
```

   b) Class PegawaiTetap

```java
package Polymorphism;

public class PegawaiTetap extends Pegawai{
    private double upah;

    public PegawaiTetap(String nama, String noKTP, double upah){
        super(nama, noKTP);
        setUpah(upah);
    }

    public void setUpah(double upah) {
        this.upah = upah;
    }

    public double getUpah() {
        return upah;
    }
}
```

```java
    @Override
    public String toString() {
        return "Pegawai Tetap\t: " +getNama()+ "\nNo. KTP\t\t\t: "
+getNoKTP()+
                "\nUpah\t\t\t: " +getUpah()+ "\nPendapatan\t\t: Rp " +(int)
gaji();
    }

    @Override
    public double gaji() {
        return getUpah();
    }

}
```

c) Class PegawaiHarian

```java
package Polymorphism;

public class PegawaiHarian extends Pegawai{
    private double upahPerJam;
    private int totalJam;

    public PegawaiHarian(String nama, String noKTP, double upahPerJam, int
totalJam){
        super(nama, noKTP);
        setUpahPerJam(upahPerJam);
        setTotalJam(totalJam);

    }

    public double getUpahPerJam() {
        return upahPerJam;
    }

    public int getTotalJam() {
        return totalJam;
    }

    public void setUpahPerJam(double upahPerJam) {
        this.upahPerJam = upahPerJam;
    }

    public void setTotalJam(int totalJam) {
        this.totalJam = totalJam;
    }

    @Override
    public String toString() {
        return "Pegawai Harian\t: " +getNama()+ "\nNo. KTP\t\t\t: "
+getNoKTP()+
                "\nUpah/jam\t\t: " +getUpahPerJam()+ "\nTotal jam kerja\t: "
+getTotalJam()+
                "\nPendapatan\t\t: Rp " +gaji();
    }

    @Override
```

```java
    public double gaji() {
        double pendapatan;
        if(getTotalJam() <= 40) {
            pendapatan = getTotalJam() * getUpahPerJam();
        } else {
            pendapatan = ((40 * getUpahPerJam()) + ((getTotalJam() - 40) *
getUpahPerJam() * 1.5));
        }
        return pendapatan;
    }

}
```

d) Class Sales

```java
package Polymorphism;

public class Sales extends Pegawai{
    private int penjualan;
    private double komisi;

    public Sales(String nama, String noKTP, int penjualan, double komisi){
        super(nama, noKTP);
        setPenjualan(penjualan);
        setKomisi(komisi);

    }

    public int getPenjualan() {
        return penjualan;
    }

    public double getKomisi() {
        return komisi;
    }

    public void setPenjualan(int penjualan) {
        this.penjualan = penjualan;
    }

    public void setKomisi(double komisi) {
        this.komisi = komisi;
    }

    @Override
    public String toString() {
        return "Sales\t\t\t: " +getNama()+ "\nNo. KTP\t\t\t: " +getNoKTP()+
                "\nTotal Penjualan\t: " +getPenjualan()+ "\nBesaran Komisi\t:
" +getKomisi()+
                "\nPendapatan\t\t: Rp " +(int) gaji();
    }

    @Override
    public double gaji() {
        double pendapatan = (getPenjualan() * getKomisi());
        return pendapatan;
    }
```

```
}
```

e) Class Main

```java
package Polymorphism;

public class Main {

    public static void main(String[] args) {
        System.out.println("====================================");
        System.out.println("          DATA PEGAWAI TETAP");
        System.out.println("====================================");
        Pegawai pegawai1 = new PegawaiTetap("Bayu", "3576440504910003",
2000000);
        System.out.println(pegawai1.toString());
        System.out.println("====================================");
        Pegawai pegawai2 = new PegawaiTetap("Andi", "3175031406020003",
1500000);
        System.out.println(pegawai2.toString());
        System.out.println("====================================");
        Pegawai pegawai3 = new PegawaiTetap("Intan", "3202081508960003",
2500000);
        System.out.println(pegawai3.toString());
        System.out.println("====================================");

        System.out.println();
        System.out.println("====================================");
        System.out.println("          DATA PEGAWAI HARIAN");
        System.out.println("====================================");
        Pegawai pegawai4 = new PegawaiHarian("Edo", "3528070109020004", 8500,
40);
        System.out.println(pegawai4.toString());
        System.out.println("====================================");
        Pegawai pegawai5 = new PegawaiHarian("Putri", "31730504012010005",
7500, 45);
        System.out.println(pegawai5.toString());
        System.out.println("====================================");
        Pegawai pegawai6 = new PegawaiHarian("Angga", "3404071202000003",
9500, 38);
        System.out.println(pegawai6.toString());
        System.out.println("====================================");

        System.out.println();
        System.out.println("====================================");
        System.out.println("               DATA SALES");
        System.out.println("====================================");
        Pegawai pegawai7 = new Sales("Tika", "3302212806900001", 50, 50000);
        System.out.println(pegawai7.toString());
        System.out.println("====================================");
        Pegawai pegawai8 = new Sales("Gilang", "3304092402960002", 60,
55000);
        System.out.println(pegawai8.toString());
        System.out.println("====================================");
        Pegawai pegawai9 = new Sales("Lidya", "3321071411980003", 40, 60000);
        System.out.println(pegawai9.toString());
        System.out.println("====================================");
```

```
    }

}
```

2. Screenshot Output

```
====================================
         DATA PEGAWAI TETAP
====================================
Pegawai Tetap   : Bayu
No. KTP         : 3576440504910003
Upah            : 2000000.0
Pendapatan      : Rp 2000000
====================================
Pegawai Tetap   : Andi
No. KTP         : 3175031406020003
Upah            : 1500000.0
Pendapatan      : Rp 1500000
====================================
Pegawai Tetap   : Intan
No. KTP         : 3202081508960003
Upah            : 2500000.0
Pendapatan      : Rp 2500000
====================================
```

```
====================================
         DATA PEGAWAI HARIAN
====================================
Pegawai Harian  : Edo
No. KTP         : 3528070109020004
Upah/jam        : 8500.0
Total jam kerja : 40
Pendapatan      : Rp 340000.0
====================================
Pegawai Harian  : Putri
No. KTP         : 31730504012010005
Upah/jam        : 7500.0
Total jam kerja : 45
Pendapatan      : Rp 356250.0
====================================
Pegawai Harian  : Angga
No. KTP         : 3404071202000003
Upah/jam        : 9500.0
Total jam kerja : 38
Pendapatan      : Rp 361000.0
====================================
```

```
===================================
             DATA SALES
===================================
Sales           : Tika
No. KTP         : 3302212806900001
Total Penjualan : 50
Besaran Komisi  : 50000.0
Pendapatan      : Rp 2500000
===================================
Sales           : Gilang
No. KTP         : 3304092402960002
Total Penjualan : 60
Besaran Komisi  : 55000.0
Pendapatan      : Rp 3300000
===================================
Sales           : Lidya
No. KTP         : 3321071411980003
Total Penjualan : 40
Besaran Komisi  : 60000.0
Pendapatan      : Rp 2400000
===================================
```