LAPORAN TUGAS

Polymorphism

Laporan ini disusun untuk memenuhi tugas mata kuliah Praktikum Pemrograman Berorientasi Objek



Disusun oleh:

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PROGRAM STUDI D3 TEKNIK INFORMATIKA JURUSAN TEKNIK KOMPUTER DAN INFORMATIKA POLITEKNIK NEGERI BANDUNG

2022

Studi kasus 1 (Another Type of Employee)

Firm.java

```
1 package SK1;
2
3 public class firm{
4    public static void main (String[] args) {
5         Staff personnel = new Staff();
6
7         personnel.payday();
8    }
9 }
```

Staff.java

staffMember.java

```
package SK1;

abstract public class StaffMember {
    protected String name;
    protected String address;
    protected String phone;

    public StaffMember(String eName, String eAddress, String ePhone) {
        // TODO Auto-generated method stub
        name = eName;
        address = eAddress;
        phone = ePhone;
    }

    public String toString() {
        String result = "Name: "+name +"\n";
        result += "Address : " +address + "\n";
        result += "Phone : " +phone;

        return result;
    }
    public abstract double pay();
}
```

Volunteer.java

```
package SK1;

public class Volunteer extends StaffMember {

public Volunteer(String eName, String eAddress, String ePhone) {
 super(eName, eAddress, ePhone);
 // TODO Auto-generated constructor stub
}

po @Override
public double pay() {
 // TODO Auto-generated method stub
return 0.0;
}

package SK1;

public class Volunteer extends StaffMember {
 super(eName, eAddress, ePhone);
 // TODO Auto-generated constructor stub
 return 0.0;
}
```

Employee.java

```
package SK1;

public class Employee extends StaffMember {
    protected String socialSecurityNumber;
    protected double payRate;

public Employee(String eName, String eAddress, String ePhone, String socSecNumber, double rate) {
    super(eName, eAddress, ePhone);
    socialSecurityNumber = socSecNumber;
    payRate = rate;
    // TOOO Auto-generated constructor stub
    string result = super.toString() {
        String result = super.toString();
        result += "\nSocial Security Number: " + socialSecurityNumber;
        return result;
    soverride
    public comman pay() {
        // TOOO Auto-generated method stub
        payRate;
    }
}

// TOOO Auto-generated method stub
    payRate;
}
```

Executive.java

Hourly.java

HASILNYA

```
Name: Sam
Address: 123 Hain Line
Phone: 355-8469
Social Security Number: 123-45-6789
Phote: 355-8081
Social Security Number: 987-65-4321
Phote: 355-8081
Social Security Number: 987-65-4321
Phote: 1246-13
Name: Wordy
Address: 789 Off Rocker
Phone: 555-8080
Social Security Number: 910-28-3040
Padi: 1169.3
Name: Wordy
Address: 789 Off Rocker
Phone: 555-8080
Social Security Number: 910-28-3040
Padi: 1169.3
Name: Wordy
Name: 907-8081
Name: Name
N
```

Kendala:

Solusi:

Studi kasus 3 (Polymorphic Sorting)

Sorting.java

Number.java

Salesperson.java

WeeklySales.java

HASILNYA:

```
Rangking of sales for the week

Jones, Jane: 3000
Duck, Daffy: 4935
Jones, James: 3000
Walter, Dick: 2800
Trump, Don: 1570
Black, Jane: 3000
Taylor, Harry: 7300
Adams, Andy: 5000
Doe, Jim: 2850
Smith, Walt: 3000
```

Kendala : awalnya terdapat error, setelah berganti parameter dan yang lainnya ternyata masih terdapat error

Solusi: mencari di google dan merubah parameternya