

Nama: Gagas Surya Laksana

Kelas: IF-46-10

NIM: 1301223164

```
/Library/Java/JavaVirtualMachines/jdk-23.jdk/
```

```
Nama: Heritsam Yuniawan
```

```
Prodi: Informatika
```

```
Nama: Nugroho Rahmanto
```

```
Prodi: Rekayasa Perangkat Lunak
```

```
Nama: Gagas Surya Laksana
```

```
Prodi: Teknik Informatika
```

```
Process finished with exit code 0
```

```
public class Main {  
    public static void main(String[] args) {  
        Prodi pr1 = new Prodi();  
        Prodi pr2 = new Prodi();  
  
        // setter  
        pr1.setNama("Informatika");  
        pr2.setNama("Rekayasa Perangkat Lunak");  
  
        Mahasiswa mhs1 = new Mahasiswa();  
        Mahasiswa mhs2 = new Mahasiswa();  
  
        // setter  
        mhs1.setNama("Heritsam Yuniawan");  
        mhs1.setProdi(pr1);  
    }  
}
```

```

        mhs2.setNama("Nugroho Rahmanto");
        mhs2.setProdi(pr2);

        // display mahasiswa
        mhs1.displayMahasiswa();
        mhs2.displayMahasiswa();

        // mengubah nama prodi
        pr1.setNama("Teknik Informatika");
        mhs1.setProdi(pr1);
        mhs1.setNama("Gagas Surya Laksana");

        // display mahasiswa
        mhs1.displayMahasiswa();

    }
}

class Prodi {
    private String nama;

    // setter
    public void setNama(String nama) {
        this.nama = nama;
    }

    // getter
    public String getNama() {
        return nama;
    }
}

class Mahasiswa {
    private String nama;
    private Prodi prodi;

    // setter
    public void setNama(String nama){
        this.nama = nama;
    }

    public void setProdi(Prodi prodi) {
        this.prodi = prodi;
    }
}

```

```
// getter
public String getNama() {
    return nama;
}

public String getProdi() {
    return prodi.getNama();
}

public void displayMahasiswa() {
    System.out.println("\nNama: " + getNama());
    System.out.println("Prodi: " + getProdi());
}
}
```