Nama: Muhammad Nanda Arjuna Fadhillah

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NIM: 2109106028

PBO POSTTEST_2

Source Code Main.java

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.util.*;
public class Main {
    static BufferedReader br = new BufferedReader(new
InputStreamReader(System.in));
    static ArrayList<Narapidana> narapidana = new ArrayList<Narapidana>();
    public static void main(String[] args) throws IOException {
        while (true){
            System.out.println("===== Pendataan Narapidana =====");
            System.out.println("1. Create");
            System.out.println("2. Read");
            System.out.println("3. Update");
            System.out.println("4. Delete");
            System.out.println("5. Exit");
            System.out.print("Masukkan Pilihan : ");
            int pilihan = Integer.parseInt(br.readLine());
            switch (pilihan) {
                    create();
                    break;
                case 2:
                    read();
                    break;
                    edit();
                    break;
                case 4:
                    delete();
                    break;
                case 5:
                    System.out.println("Keluar");
                    System.exit(0);
                    break;
```

```
default:
                    System.out.println("PILIHAN TIDAK ADA");
                    break;
    public static void create() throws IOException{
        System.out.print("Masukkan Nama : ");
        String addnama = br.readLine();
        System.out.print("Masukkan Asal : ");
        String addasal = br.readLine();
        System.out.print("Masukkan Alasan : ");
        String addalasan = br.readLine();
        System.out.print("Masukkan usia : ");
        int addusia = Integer.parseInt(br.readLine());
        System.out.print("Masukkan Lama Tahanan : ");
        double addwaktu = Double.parseDouble(br.readLine());
        Narapidana napi = new Narapidana(addnama, addasal, addalasan, addusia,
addwaktu);
        narapidana.add(napi);
    public static void read() throws IOException{
        System.out.println("Data Mahasiswa");
        for (int i = 0; i< narapidana.size(); i++){</pre>
            System.out.println("Napi ke - " + (i+1));
            System.out.println("Nama Narapidana : " +
narapidana.get(i).getNama());
            System.out.println("Asal Narapidana : " +
narapidana.get(i).getAsal());
            System.out.println("Alasan Kriminal : " +
narapidana.get(i).getAlasan());
            System.out.println("Usia Narapidana : " + narapidana.get(i).getUsia()
+ " Tahun");
            System.out.println("Waktu Tahanan : " +
narapidana.get(i).getWaktu() + " Tahun");
   public static void edit() throws IOException{
        System.out.println("Masukkan indeks Mahasiswa : ");
        int idx = Integer.parseInt(br.readLine());
        if (idx <= narapidana.size() || idx > 0) {
```

```
System.out.print("Masukkan Nama : ");
        String addnama = br.readLine();
        System.out.print("Masukkan Asal : ");
        String addasal = br.readLine();
        System.out.print("Masukkan Alasan : ");
        String addalasan = br.readLine();
        System.out.print("Masukkan usia : ");
        int addusia = Integer.parseInt(br.readLine());
        System.out.print("Masukkan IPK : ");
        int addwaktu = Integer.parseInt(br.readLine());
        // Narapidana napi = new Narapidana(addnama, addasal, addalasan,
        // narapidana.set(idx - 1, napi);
        narapidana.get(idx-1).setNama(addnama);
        narapidana.get(idx-1).setAsal(addasal);
        narapidana.get(idx-1).setAlasan(addalasan);
        narapidana.get(idx-1).setUsia(addusia);
        narapidana.get(idx-1).setWaktu(addwaktu);
        System.out.println("Data Berhasil diedit");
        System.out.println("Data gagal di edit");
public static void delete() throws IOException{
    System.out.println("Masukkan no urut Tahanan : ");
    int idx = Integer.parseInt(br.readLine());
    if(idx <= narapidana.size() || idx > 0){
        narapidana.remove(idx -1);
        System.out.println("Data berhasil Dihapus");
    }else{
        System.out.println("Data Gagal dihapus");
```

Source Code Class

```
class Narapidana {
    private String nama;
    private String asal;
    private String alasan;
    private int usia;
    private double waktu;

    public Narapidana(String nama, String asal, String alasan, int usia, double waktu){
```

```
this.nama = nama;
    this.asal = asal;
    this.alasan = alasan;
    this.usia = usia;
    this.waktu = waktu;
public String getNama() {
    return nama;
public void setNama(String nama) {
    this.nama = nama;
public String getAsal() {
    return asal;
public void setAsal(String asal) {
    this.asal = asal;
public String getAlasan() {
    return alasan;
public void setAlasan(String alasan) {
    this.alasan = alasan;
public int getUsia() {
    return usia;
public void setUsia(int usia) {
    this.usia = usia;
public double getWaktu() {
    return waktu;
public void setWaktu(double waktu) {
   this.waktu = waktu;
```

```
}
```

Tampilan

```
==== Pendataan Narapidana =====
1. Create
2. Read
3. Update
4. Delete
5. Exit
Masukkan Pilihan: 1
Masukkan Nama : Maezar
Masukkan Asal : Samarinda
Masukkan Alasan : Mencuri
Masukkan usia: 20
Masukkan Lama Tahanan : 5
==== Pendataan Narapidana =====
1. Create
2. Read
3. Update
4. Delete
5. Exit
Masukkan Pilihan : 2
Data Mahasiswa
Napi ke - 1
Nama Narapidana : Maezar
Asal Narapidana : Samarinda
Alasan Kriminal : Mencuri
Usia Narapidana : 20 Tahun
Waktu Tahanan : 5.0 Tahun
```

```
==== Pendataan Narapidana =====
1. Create
2. Read
3. Update
4. Delete
5. Exit
Masukkan Pilihan: 3
Masukkan nomor urut tahanan :
1
Masukkan Nama : Hadie
Masukkan Asal : Rapak Indah
Masukkan Alasan : Memukul orang korea
Masukkan usia: 21
Masukkan Lama Tahanan: 4.5
Data Berhasil diedit
==== Pendataan Narapidana =====
1. Create
2. Read
3. Update
4. Delete
5. Exit
Masukkan Pilihan : 2
Data Narapidana
Napi ke - 1
Nama Narapidana : Hadie
Asal Narapidana : Rapak Indah
Alasan Kriminal : Memukul orang korea
Usia Narapidana : 21 Tahun
Waktu Tahanan : 4.5 Tahun
```