

# ARRAY OF OBJECT

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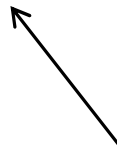
Disusun Oleh:  
Reza Budiawan

Untuk:  
Tim Dosen Algoritma & Pemrograman Lanjut

Hanya dipergunakan untuk kepentingan pengajaran di lingkungan Fakultas Ilmu Terapan, Universitas Telkom

# Array of Object

```
tipeData [ ] namaVariable [= new tipeData [jumlahElemen] ];  
tipeData namaVariable [ ] [= new tipeData [jumlahElemen] ];
```



Deklarasi Umum



Mengandung 1 tipe objek

# Array Of Employee



nip, nama, divisi;  
setNip(); getNip();  
setNama(); getNama();  
setDivisi(); getDivisi();

# Array of Object

```
public class Employee{
    private String nip;
    private String nama;
    private String divisi;
    public void setNip(String nip) {
        this.nip = nip;
    }
    public String getNip() {
        return this.nip;
    }
    ...
    ...
}
```

```
Employee[] e = new Employee[3];

e[0] = new Employee();
e[0].setNama("Erik");
e[0].setNip("11-xx-76");
e[0].setDivisi("SDM");
```

**Buatlah Implementasinya!!!**

Employee.java Main.java

```
1 public class Employee {
2
3     private String nama, nip, divisi;
4
5     public String getNama() {
6         return nama;
7     }
8
9     public void setNama(String nama) {
10        this.nama = nama;
11    }
12
13    public String getNip() {
14        return nip;
15    }
16
17    public void setNip(String nip) {
18        this.nip = nip;
19    }
20
21    public String getDivisi() {
22        return divisi;
23    }
24
25    public void setDivisi(String divisi) {
26        this.divisi = divisi;
27    }
28
29 }
30
```

Employee.java Main.java

```
1
2 public class Main {
3     public static void main(String[] args) {
4         Employee[] e = new Employee[2];
5
6         //membentuk objek 1
7         e[0] = new Employee();
8         e[0].setNama("Erik");
9         e[0].setNip("11-xx-76");
10        e[0].setDivisi("SDM");
11
12        //membentuk objek 2
13        e[1] = new Employee();
14        e[1].setNama("Erik");
15        e[1].setNip("11-xx-83");
16        e[1].setDivisi("Keuangan");
17
18        //menampilkan 2 objek dari array
19        System.out.println("Data Staff\n");
20        for(Employee x:e) {
21            System.out.println("NIP:"+x.getNip());
22            System.out.println("Nama:"+x.getNama());
23            System.out.println("Divisi:"+x.getDivisi());
24            System.out.println();
25        }
26    }
27 }
28
```

# HASIL:



```
Administrator: C:\Windows\system32\cmd.exe

E:\Demo Slide\Slide 5>javac Main.java
E:\Demo Slide\Slide 5>java Main
Data Staff

NIP:11-xx-76
Nama:Erik
Divisi:SDM

NIP:11-xx-83
Nama:Erik
Divisi:Keuangan

E:\Demo Slide\Slide 5>
```

# Array List of Object

```
public class Employee{
    private String nip;
    private String nama;
    private String divisi;
    public void setNip(String nip){
        this.nip = nip;
    }
    public String getNip(){
        return this.nip;
    }
    ...
    ...
}
```



Buatlah Implementasinya!!!

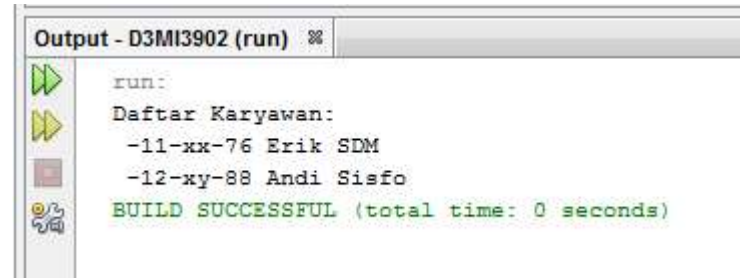
```
import java.util.ArrayList;

public class MainEmployee {
    public static void main(String[] args) {
        ArrayList<Employee> emp = new ArrayList<>();
        Employee e1 = new Employee();
        e1.setNip("11-xx-76");
        e1.setNama("Erik");
        e1.setDivisi("SDM");

        Employee e2 = new Employee();
        e2.setNip("12-xy-88");
        e2.setNama("Andi");
        e2.setDivisi("Sisfo");

        emp.add(e1);
        emp.add(e2);

        System.out.println("Daftar Karyawan:");
        for(Employee e:emp){
            System.out.println(" -"+e.getNip()+" "+e.getNama()+" "+e.getDivisi());
        }
    }
}
```





END OF SLIDE...

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