

LAPORAN TUGAS PERTEMUAN 9

PEMROGRAMAN



Nama :	Iqbal Faris Ihsani
NIM :	22.11.4850
Dosen Pengampu :	Abd. Mizwar A. Rahim, M.Kom
Asisten Dosen Koordinator :	Dimas Ariyanto
Tanggal Pengumpulan :	13/06/2023

S1 - INFORMATIKA
FAKULTAS ILMU KOMPUTER
UNIVERSITAS AMIKOM YOGYAKARTA
2023

PrinterWindows.cs

```
Program.cs  PrinterWindows.cs  X
polymorphism  polymorphism.Laserjet

1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace polymorphism
8  {
9      internal class PrinterWindows
10     {
11         public virtual void show()
12         {
13             Console.WriteLine("Printer Windows display dimension");
14         }
15         public virtual void print()
16         {
17             Console.WriteLine("Printer Windows printing");
18         }
19     }
20
21     class Epson : PrinterWindows
22     {
23         public override void print()
24         {
25             Console.WriteLine(" Epson Printer printing...");
26         }
27         public override void show()
28         {
29             Console.WriteLine(" Epson display dimension: 10 * 11");
30         }
31     }
```

```
Program.cs  PrinterWindows.cs  X
polymorphism  polymorphism.Laserjet

29     Console.WriteLine(" Epson display dimension: 10 * 11 ");
30 }
31
32 class Canon : PrinterWindows
33 {
34     public override void print()
35     {
36         Console.WriteLine(" Canon Printer printing...");
37     }
38     public override void show()
39     {
40         Console.WriteLine(" Canon display dimension: 9.5 * 12");
41     }
42 }
43 class Laserjet : PrinterWindows
44 {
45     public override void print()
46     {
47         Console.WriteLine(" Laserjett Printer printing...");
48     }
49     public override void show()
50     {
51         Console.WriteLine(" Laserjett display dimension: 12 * 12 ");
52     }
53 }
54
55 }
```

Program.cs

```
Program.cs  x PrinterWindows.cs
polymorphism  polymorphism.program

1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace polymorphism
8  {
9      class program
10     {
11         static void main(string[] args)
12         {
13             PrinterWindows printer;
14             Console.WriteLine("Pilih Printer :");
15             Console.WriteLine("1. Epson");
16             Console.WriteLine("2. Canon");
17             Console.WriteLine("3. Laserjett\n");
18             Console.WriteLine("Nomer Printer : ");
19
20             int nomornprinter = Convert.ToInt32(Console.ReadLine());
21             if (nomornprinter == 1)
22                 printer = new Epson();
23             else if (nomornprinter == 2)
24                 printer = new Canon();
25             else
26                 printer = new Laserjet();
27             printer.show();
28             printer.print();
29
30             Console.ReadKey();
31         }
32     }
33 }
```

Pada Program.cs menggunakan polymorphism untuk memilih jenis printer dan melakukan operasi output. Pengguna diminta memilih nomor printer dari pilihan yang tersedia (Epson, Canon, atau LaserJet).

Outputnya

```
E:\Pemograman\polymorphism\polymorphism\bin\Debug\net7.0\polymorphism.exe
Pilih Printer :
1. Epson
2. Canon
3. Laserjett

Nomer Printer :
1
Epson display dimension: 10 * 11
Epson Printer printing...

E:\Pemograman\polymorphism\polymorphism\bin\Debug\net7.0\polymorphism.exe
Pilih Printer :
1. Epson
2. Canon
3. Laserjett

Nomer Printer :
2
Canon display dimension: 9.5 * 12
Canon Printer printing...
```

```
E:\Pemograman\polymorphism\polymorphism\bin\Debug\net7.0\polymorphism.exe
Pilih Printer :
1. Epson
2. Canon
3. Laserjett

Nomer Printer :
3
Laserjett display dimension: 12 * 12
Laserjett Printer printing...
```