

What is an Interface Class?

Interfaces are used along with classes to define what is known as a contract. A contract is an agreement on what the class will provide to an application.

An interface declares the properties and methods. It is up to the class to define exactly what the method will do.

Let's look at an example of an interface by changing the classes in our Console application. Note that we will not be running the code because there is nothing that can be run using an interface.

Contoh Penggunaan Interface :

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace ConsoleApplication11
{
    public interface FormMahasiswa {
        // interface members
        void tampil();
        double getNim();
    }
    public class Data1 : FormMahasiswa {
        private string prodi;
        private string nama;
        private double nim;

        public Data1() {
            prodi = " ";
            nama = " ";
        }
        public Data1(string c, string d, double a) {
            prodi = c;
            nama = d;
            nim = a;
        }
        public double getNim() {
            return nim;
        }
        public void tampil() {
            Console.WriteLine("Program Studi: {0}", prodi);
            Console.WriteLine("Nama: {0}", nama);
            Console.WriteLine("Nim : {0}", getNim());
            Console.WriteLine("=====");
        }
    }
    public class DataMahasiswa {
```

```

        public static void Main(string[] args) {
            Data1 t1 = new Data1("Komputerisasi Akuntansi", "Ade Putra",
16145001);
            Data1 t2 = new Data1("Manajemen Informatika", "Acep Sujana",
15145002);

            t1.tampil();
            t2.tampil();
            Console.ReadLine();
        }
    }
}

```

Contoh Penggunaan Interface 2 :

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace ConsoleApplication11
{
    class Program : KTP, MHS
    {
        public void ShowKTP(string nama, string alamat, string tlp)
        {
            Console.WriteLine("DATA KARTU TANDA PENDUDUK");
            Console.WriteLine();
            Console.WriteLine("Nama anda : {0}", nama);
            Console.WriteLine("Alamat : {0}", alamat);
            Console.WriteLine("No Telp : {0}", tlp);
            Console.WriteLine();
            Console.WriteLine();
        }

        public void ShowMHS(string nama, string nim, string prodi, string tlp)
        {
            Console.WriteLine("DATA KARTU MAHASISWA");
            Console.WriteLine();
            Console.WriteLine("Nama anda : {0}", nama);
            Console.WriteLine("NIM : {0}", nim);
            Console.WriteLine("Prodi : {0}", prodi);
            Console.WriteLine("No Telp : {0}", tlp);
            Console.WriteLine();
            Console.WriteLine();
        }

        static Program pro = new Program();

        public static void Main(string[] args)
        {
            string nama = "Ade Putra, M.Kom.";
            string alamat = "Jl. Silaberanti";

```

```

        string telp = "0711-515512";
        string NIM = "1914700001";
        string Jurusan = "Komputerisasi Akuntansi";
        pro.ShowKTP(nama, alamat, telp);
        pro.ShowMHS(nama, NIM, Jurusan, telp);

        Console.WriteLine("\nPress any key to continue . . . ");
        Console.ReadKey(true);
    }
}

interface KTP
{
    void ShowKTP(string nama, string alamat, string tlp);
}

interface MHS
{
    void ShowMHS(string nama, string nim, string prodi, string tlp);
}
}

```

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