using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InheritanceDemo

{

class Employee

{

protected int id;

string name;

string address;

public Employee() { }

public Employee (int id, string name, string address)

{

this.id = id;

this.name = name;

this.address = address;

}

public void GetDetails()

{

Console.WriteLine("Enter ID");

id = Byte.Parse(Console.ReadLine());

Console.WriteLine("Enter Name");

name = Console.ReadLine();

Console.WriteLine("Enter ADdress");

address = Console.ReadLine();

}

public void DisplayDetails()

{

Console.WriteLine($"Id is {id}");

Console.WriteLine($"Name is {name}");

Console.WriteLine($"Address is {address}");

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InheritanceDemo

{

class PartTimeEmployee : Employee

{

string project;

string duration;

public PartTimeEmployee() : base() { }

public PartTimeEmployee(int id, string name , string address

, string project ,string duration) :

base(id, name , address)

{

this.project = project;

this.duration = duration;

}

//public void GetPartTimeEmployeeDetails()

//{

public void GetDetails()

{

id = 100;

base.GetDetails();

Console.WriteLine("Enter Project");

project = Console.ReadLine();

Console.WriteLine("Enter Duration");

duration = Console.ReadLine();

}

//public void DisplayPartTimeEmployeeDetails()

//{

public void DisplayDetails()

{

base.DisplayDetails();

Console.WriteLine($"Project is {project}");

Console.WriteLine($"Duration is {duration}");

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace InheritanceDemo

{

class FullTimeEmployee : Employee

{

string dept;

string manager;

public FullTimeEmployee() { }

public FullTimeEmployee(int id, string name, string address, string dept, string manager)

: base (id, name,address)

{

this.manager = manager;

this.dept = dept;

}

//public void GetFullTimeEmployeeDetails()

//{

public void GetDetails()

{

base.GetDetails();

Console.WriteLine("Enter Department");

dept = Console.ReadLine();

Console.WriteLine("Enter Manager");

manager = Console.ReadLine();

}

//public void DisplayFullTimeEmployeeDetails()

//{

public void DisplayDetails()

{

base.DisplayDetails();

Console.WriteLine($"Department is {dept}");

Console.WriteLine($"Manager is {manager}");

}

}

}

using System;

namespace InheritanceDemo

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Empoyee Object");

Employee employee = new Employee();

employee.GetDetails();

employee.DisplayDetails();

Console.WriteLine("PartTime Employee");

PartTimeEmployee partTimeEmployee = new PartTimeEmployee();

partTimeEmployee.GetDetails();

//partTimeEmployee.GetPartTimeEmployeeDetails();

partTimeEmployee.DisplayDetails();

//partTimeEmployee.DisplayPartTimeEmployeeDetails();

Console.WriteLine("FullTime Employee");

FullTimeEmployee fullTimeEmployee = new FullTimeEmployee();

fullTimeEmployee.GetDetails();

// fullTimeEmployee.GetFullTimeEmployeeDetails();

fullTimeEmployee.DisplayDetails();

//fullTimeEmployee.DisplayFullTimeEmployeeDetails();

PartTimeEmployee part = new PartTimeEmployee(101, "Ajay", "Delhi"

, "Training", "2 months");

}

}

}