**Workshop #4: Polymorphism**

**Requirements:**

To complete this task you should read and study the lecture Polymorphism.

FPTSoftware Company has 2 types of employees: fulltime and part-time.

* Fulltime: code, name, phone, address, department, salary, absent.
* Parttime: code, name, phone, address, department, Daily wage, present.
* The company has a maximum of 100 employees.
* Each employee has a unique code.

Write an employee management program according to the following description:

Create a program menu with the following functions:

* Create a new full-time employee. Check the validity of input data (code, name, phone, address, department is not null, salary>1500, absent>=0), where the code starts with FS followed by 5 digits. Every day absent will be deducted $ 35.
* Create a new part-time employee. Check the validity of input data (code, name, phone, address, department is not null, Daily wage>10, present>0).
* Print a list of full-time employees (code, name, total salary).
* Print a list of part-time employees (code, name, total salary).
* Exit.
* Note: the list of employees uses a 1-dimensional array, do not use ArrayList.
* Demo data has at least 3 full-time employees and 2 part-time employees