**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 parttime.

* 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. (Viết hàm kiểm tra số phần tử, mỗi khi thêm phần tử thì gọi hàm kiểm tra)
* 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), where the code starts with FS followed by 5 digits
* Print a list of full-time employees ( code, name, total salary).
* Print a list of part-time employees ( code, name, total salary).
* Exit.
* Note: Use ArrayList to manage Employee.
* Demo data has at least 3 full-time employees and 2 part-time employees
* Sử dụng try catch, dùng ArrayList
* Fulltime đầu tiên là bản thân mình
* Class(basic) -> (Listemployee: Xử lý danh sách) <-- Class(Demo)
* Abstract Employee: lớp trừu tượng totalSalary, printinfo
* Partime/Fulltime extend Employee
* Không dùng Generic trong Java