PRO192 – Examination 01

Create 1 classes and 1 interface as below:

Employee +ID: String +fullName: String +yearOfBirth: int +salary: int +Employee() +setID(ID: String): void **JavaApplication** Use +setFullName(fullName: String):void +setYearOfBirth(yearOfBirth: int):void +main(args:String[]):void +setSalary(salary: int): void +getID(): String +getFullName(): String +getYearOfBirth(): int +getSalary(): int +getAge(): int +input(): void +output(): void

1. Class Employee

[60 marks]

- Fields
- Contructor: set ID = "", fullName = "", yearOfBirth = 0, set salary = 0
- set...(...): set value of field = ...
- get...(): return value of field
- getAge(): age caculator base on year of birth, return it
- input(): allow user input value of all fields
- output(): show all field values

2. Class Application

[30 marks]

```
---- Add new employee -----
Input ID: 01
```

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```
Input name: Nguyen Van An
 Input year of birth: 2000
 Input salary: 650
 Employee created and added to list of employee successful!
 ---- Add new employee -----
 Input ID: 02
 Input name: Nguyen Thanh Cong
 Input year of birth: 2002
 Input salary: 550
 Employee created and added to list of employee successful!
 ---- Add new employee -----
 Input ID: 03
 Input name: Tran Thanh Hung
 Input year of birth: 2001
 Input salary: 700
 Employee created and added to list of employee successful!
Sort an Employee Object list first by salary
 ---- List of employee -----
 - No. -- ID -- Employee name -- Year Of Birth -- Salary -
 - 1 -- 03 -- Tran Thanh Hung -- 2001 -- 700 -
 - 2 -- 01 -- Nguyen Van An -- 2000 -- 650 -
```

- 3 -- 02 - Nguyen Thanh Cong -- 2002 -- 550 -

• BUILD SUCCESSFUL

[10 marks]