



Programming Language, Spring 2023, Homework #0 (Due: 18:30, 03/01)

Problem 1: Explain the distinction between translating a program and interpreting the program.

Problem 2: List components of von-Neumann architectures.

Problem 3: How is the below program executed in the PC? please describe in detail .

```
Temp = v[k];  
v[k] = v[k+1];  
v[k+1] = Temp;
```

1. *Homework will be available on E3.NYCU*
2. *Return your homework with A4 sized paper. Different paper size will not be accepted.*
3. *Note your name and ID number on the top of the paper.*
4. *Write the report in the same sequence as the problems.*
5. *Codes, results, figures and discussions should be added in the report.*
6. *No cover required.*
7. *No late submit.*