**Assignment: Assignment Name Goes Here**

Name/ID:

Date:

## **Academic Integrity Declaration**

Check the statement that applies, and sign your name.

|  |  |
| --- | --- |
| **Check** | **Statement** |
| ■ | I have **NOT** used LLM (ChatGPT, etc), any online materials, or other students’ reports/codes to complete this assignment. |
|  | I have **NOT completed this assignment entirely on my own**. |

If you received any assistance **that violates the class policy**, you must explain it in detail. A penalty will be applied depending on the **extent and nature of the assistance**.

Failure to disclose the assistance, you will get Grade F.

|  |
| --- |
| *Examples:*   * *Screenshots of LLM prompt,* * *Explanation of assistance : who/how/what extent etc* |

By signing below, I confirm that I have honestly and truthfully answered the academic integrity declaration.

Date: 2025.09.00

**Sign: *Your sign goes here***

# **Instruction**

## **What you need to submit**

Submit as a zip file: **Assignment\_AssignmentName\_ YourName\_ID.zip**

* **Report** (pdf)
* **Src Codes:** **(1) Assignment\_AssignmentName\_YourName\_ID.cpp**

**(2) myNP\_YourID.h, myNP\_YourID.cpp**

# **Problem 1**

## Introduction

*Write a brief description of the problem with necessary equations and figures.*

*Example:*

*Create a numerical method that returns the factorial of y=N*! *, where*

*폰트, 텍스트, 화이트, 타이포그래피이(가) 표시된 사진

자동 생성된 설명*

## Pseudocode

*Write a pseudocode for the numerical method*

*Example: Pseudocode for y=factorial(N)*

// Your Pseudocode goes here

// Example: *y*=factorial(*N*)

Given *N*

Initialize

*y*=1

For *k*=1 to *N*

*y*=*y\*k*

End For

Return *y*

## Code

*Write only the necessary code for numerical analysis functions.*

*You don’t need to write the entire main() code*

*// Your Code Goes Here*

double factorial(int N){

// Paste your code here

// Paste your code here

}

## Output

*Show the outputs of the program. You can capture the output screen*

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| --- |
|  |

# **Problem 2**

## Introduction

*Write a brief description of the problem with necessary equations and figures.*

## Pseudocode

*Write a pseudocode for the numerical method*

// Your Pseudocode goes here

## Code

*Write the necessary codes.*

*// Your Code Goes Here*

## Output

*Show the outputs of the program. You can capture the output screen*

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|  |