*Data Structure and Algorithm*

# Training Assignments

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|---|---|
| Version | 1.1 |
| Effective Date | 20/02/2021 |

**Hanoi, 02/2021**

**RECORD OF CHANGES**

| No | Effective Date | Change Description | Reason | Reviewer | Approver |
|----|----------------|--------------------|--------|----------|----------|
| 1. | 20/02/2021 | Create a new Assignment 1 | Create new | DieuNT1 | VinhNV |
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## Contents

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| **CODE:** | **DSA_Assignment1_Opt02_edited** |
| **TYPE:** | **N/A** |
| **LOC:** | **N/A** |
| **DURATION:** | **180 MINUTES** |

## Assignment 1: Data Structures and Algorithms, Arrays, Pseudo Code

**Objectives:**

» Understand the basics of Data Structures and Algorithms?

» Understand What is Pseudocode?

» Able to use Pseudocode to write basic algorithms.

**Assignment Descriptions:**

This assignment is an individual activity. It asks you to interpret and write algorithms using the **pseudo-code** notation we have studied in class.

**Problem 1**: Given an array of numbers with N size. Write pseudo code that will count all the even numbers in this array.

**Problem 2**: Write pseudo code that will perform the following.

a) Read in 5 separate numbers.

b) Calculate the average of the five numbers.

c) Find the smallest (minimum) and largest (maximum) of the five entered numbers.

**Problem 3**: Write pseudo code that reads in three numbers and writes them all in sorted order.

**-- THE END --**