

Data Structures and Algorithms Lab

08. Introduction to Algorithms

Subject Code: ISL212

Lab No: 08

Semester: III

Date: Oct 2017

Batch: MSM

Question: Design and Analysis of a given task

Objective: Understanding the machines way of solving a task

Problem: Reverse the given integer array elements of size N

Implement the above given problem and note down the time taken when run with following input size:

Si. No.	Input Size (N)	Time Taken (Seconds)
1.	1000	
2.	2000	
3.	3000	
4.	4000	
5.	5000	
6.	6000	
7.	7000	
8.	8000	
9.	9000	
10.	10000	
11.	11000	
12.	12000	
13.	13000	
14.	14000	
15.	15000	
16.	16000	
17.	17000	
18.	18000	
19.	19000	
20.	20000	

Plot a graph and analyze the results with respect to order of growth.

**** Happy Coding ****