

Data Structures and Algorithms Lab

Lab 05 – Answer Sheet
Marks 05
Roll #:
Name:

Instructions

Tabulate your results in the given tables against the appropriate entry and submit it to the instructor.

A. Data – Random Order

Input Size	Bubble sort			Selection sort			Insertion sort		
	Time	Key comp.	Data movements	Time	Key comp.	Data movements	Time	Key comp.	Data movements
500									
6000									
8000									
12000									
14000									
16000									
18000									
20000									

B. Data – Sorted in Ascending Order

Input Size	Bubble sort			Selection sort			Insertion sort		
	Time	Key comp.	Data movements	Time	Key comp.	Data movements	Time	Key comp.	Data movements
500									
6000									
8000									
12000									
14000									
16000									
18000									
20000									

C. Data – Sorted in Descending Order

Input Size	Bubble sort			Selection sort			Insertion sort		
	Time	Key comp.	Data movements	Time	Key comp.	Data movements	Time	Key comp.	Data movements
500									
6000									
8000									
12000									
14000									
16000									
18000									
20000									

😊😊😊 **BEST OF LUCK** 😊😊😊