

Data Structures
Data Structures and Algorithms
Final Semester Spring-2020
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Instructions:

- You can design the code for the following Tasks in any computer language of your choice.
- Remember that you have to program for the Algorithm taught during the course, try not to use any other algorithms.
- Typed Programs along with the Output Screenshots should be made into a single PDF file for upload.

Task# 1

Design a linear array B [] of size 7 elements. Put the following elements in it.

s, u, g, a, z, e, y

- a. Implement the Linear Search Algorithm on it to find “g” and display the message
Element g is found successfully
- b. Search for element “m” and message should be displayed
Search is Unsuccessful

Task# 2

Suppose there is a list of 6 unsorted elements.

15, 10, 12, 11, 9, 10

Design a Program to create an array A [] and store this list in it, and then apply Insertion Sort Algorithm to Sort the list.