



DHA SUFFA UNIVERSITY

Dept. of Computer Science

Spring 2020

Course Name: Data Structures and Algorithm (CS -2001)

Assignment 1

Marks: 10

Submission Guidelines: You are supposed to submit the algorithm for the asked problem in proper algorithm convention along with the screenshots of outputs. Plagiarized assignments will result in 0 marks.

Q.1) Take a file of source code / algorithm / pseudo code as input (You may take any C++ code). Write a program that will read the file and calculate the Asymptotic Run Time Complexity (ARTC) of the entire code given in the input file. (You need to automate the process of complexity calculation for any given algorithm)