



Taibah University
College of Computer Science and Engineering (Yanbu) Fall(2022)

Algorithms & Data Structures

Lab 01

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5 September 2022

1. Laboratory Objectives:

- To identify input, output, and the process of a given problem.

2. Exercises

1. Write a pseudocode to find the maximum of a, b, c
2. Write a pseudocode to find the maximum number in an array of 10 elements?
3. Write a pseudocode to find the average of a, b, c
4. Write a pseudocode to find the sum of a, b, c
5. Write a pseudocode to find the product of a, b, c
6. Write an algorithm to calculate the factorial of a given number?
7. Write an algorithm to calculate the power of a given number?
8. Write a pseudocode to find whether a is odd or even?
9. Write a pseudocode to find out whether a given number is prime or not?
10. Write an algorithm that checks if student result pass or fail?
11. Write an algorithm to swap two given numbers a, and b?