YYYY-MM-DD - Handout - TOPIC

# Q1. Longest Palindromic Substring

Link: <https://leetcode.com/problems/longest-palindromic-substring/>

Given a string s, find the longest palindromic substring in s. You may assume that the maximum length of s is 1000.

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| **Example 1:**  Input: "babad" Output: "bab" Note: "aba" is also a valid answer. | **Example 2:**  Input: "cbbd" Output: "bb" |

# Q2. Group Anagrams

Link:<https://leetcode.com/problems/group-anagrams/>

Given an array of strings, group anagrams together.

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| **Example 1:**  Input: ["eat", "tea", "tan", "ate", "nat", "bat"] Output: [ ["ate","eat","tea"],  ["nat","tan"],  ["bat"]  ] |  |

# Q3. Longest Valid Parentheses

Link: <https://leetcode.com/problems/longest-valid-parentheses/>

Given a string containing just the characters '(' and ')', find the length of the longest valid (well-formed) parentheses substring.

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| **Example 1:**  Input: "(()" Output: 2 Explanation: The longest valid parentheses substring is "()" | **Example 2:**  Input: ")()())" Output: 4 Explanation: The longest valid parentheses substring is "()()" |

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