

# Embedded Software Development Course

## Summer 2022

## Graded Exercise 15

### Task 1:

Write a C program to check if a given string is valid or not, the string contains the characters '(', ')', '{', '}', '[' and ']'. The string is valid if the open brackets must be closed by the same type of brackets and in correct order.

### Task 2:

Write a C program to generate all combinations of well-formed parentheses from n given pairs of parentheses.

Example:

Input     $n = 5$

[illegible]