Assignment 13: Initialize Vulkan up to the Command Buffer creation

Following the tutorial on:

https://vulkan-tutorial.com

complete the skeleton application in Assignment13.cpp to:

- 1. Create a Window with GLFW.
- 2. Create a Vulkan Instance.
- 3. Create a Presentation Surface with GLFW.
- 4. Cycle through the available device and pick up the first supporting both a graphic and a presentation queue.
- 5. Create a Logical Device with both a graphic queue and a presentation queue.
- 6. Create a Command Pool for the graphic queue.
- 7. Create a Command Buffer from the previous Command Pool
- 8. Release all the resources.

In the above mentioned tutorial, skip for the moment the section about validation layers: (No https://vulkan-tutorial.com/Drawing a triangle/Setup/Validation layers) on which we will return in a following lesson, and focus on:

https://vulkan-tutorial.com/Drawing a triangle/Setup/Physical devices and queue families https://vulkan-tutorial.com/Drawing a triangle/Setup/Logical device and queues https://vulkan-tutorial.com/Drawing a triangle/Presentation/Window surface and the first two section of

https://vulkan-tutorial.com/Drawing a triangle/Drawing/Command buffers

Command Pools: https://vulkan-tutorial.com/Drawing_a_triangle/Drawing/Command_buffers#page_Command-buffer-allocation and Command Buffer Allocation: https://vulkan-tutorial.com/Drawing_a_triangle/Drawing/Command_buffers#page_Command-buffer-allocation leaving the rest of that chapter for a later assignment.