

Lab 1: ASCII Art

This lab is using basic C++ programming language to create an ASCII art slide show.

ASCII abbreviated from American Standard Code for Information Interchange, is a character encoding standard. ASCII codes represent text in computers, telecommunications equipment, and other devices (Wikipedia: <https://en.wikipedia.org/wiki/ASCII>).

ASCII art is a graphic design technique that uses computers for presentation and consists of pictures pieced together from the 95 printable (from a total of 128) characters defined by the ASCII Standard (Wikipedia: https://en.wikipedia.org/wiki/ASCII_art).

This lab would help practicing how to use **ASCII code and escaping character** (Wikipedia: https://en.wikipedia.org/wiki/Escape_character) in C++.

1. Your slide show should contain at least 4 ASCII art slides.
2. Each ASCII art slide should be enclosed in a user-defined function to be invoked in the main function.
3. Your console program should output proper user prompts to help users to input from keyboard navigating through your art slides or exiting program. This requires using I/O stream operation and branch statements in C++.
4. Use loop statements to make your art slides be navigated in a loop way (the first slide will show again after the last one).

A useful link of ASCII art for reference: <http://www.chris.com/ascii/>

Grading Rubric:

1. I/O stream operation: 20 pts.
2. Use user-defined function calls: 20 pts.
3. Use branch statements: 20 pts.
4. Use loop statements: 20 pts.
5. No compiling errors: 10 pts.
6. Good Submission: 10 pts.