

Using the Witty “Hello World” example code from class, create a CS number converter that converts from decimal to binary, octal, or hexadecimal.

Your number convert must have an entry field for the decimal number, a drop down control for the number base, and a button to convert . The converted value should be displayed after the button is clicked

The entry field for the decimal number to convert should accept any integral value from 0 to 65,536. Use data validation to restrict the type and range of input.

The drop down for the number base will have options for “binary”, “octal”, and “hexadecimal”.

You may add styles to the app, but this is not required.

★ Hint: I/O manipulator `std::hex`

**Due date:** Before 11:59 p.m. on Wednesday 30th

**How to submit:** Create a folder in your home directory on the CS server named “baseConv”. The baseConv folder should contain all your source files and a Makefile.