

## Exercise 01 - Fundamentals: Selection Statements

Create a cpp file for each problem such that the file name is in the format

`'main1 $x$ .cpp'`

where  $x$  is the problem number

1. Write a problem that prompts a user to enter an integer and determines if the input is a positive even integer. It should display the input followed by the string "is a positive even integer\n" if the input is a positive even integer.
2. Write a problem that prompts the user to enter two numbers and then displays the larger input.
3. Write a problem that prompts the user to enter two characters. If all characters are letters, it displays the character alphabetically as uppercase letters.
4. Write a problem that prompts the user to enter an integer. Afterward, it displays the largest prime factor of the absolute value of the number in the range [2-13].