



## Homework 1

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Homework must be done on paper and submitted to the corresponding submitting portal on iLearn!

### Exercise 1:

- Convert 2 numbers “a” and “b” into binary numbers.
- Add them in binary form.
- Convert the result back into a decimal number.

a: 23734

b: 12195

### Exercise 2:

The 32 bit hexadecimal number 12A012FF is in little endian format.

- Convert it to a binary number with the help of an online “hex to bin” converter.
- Convert it to a decimal signed (!) integer number.

### Exercise 2:

Convert “-34.78125” into the float IEEE 754 format.