13.3.2018 functions.h

```
1 // lab00, lab procedure, tasks 1 & 3
 3 // header file
4
 5 /*
 6 * This file contains the declarations of the relevant functions.
7 * The implementation of each function can be found in the source file
8 * (functions.c)
9 */
10
11 // some standard libraries are already inluded
12 #include <stdio.h>
13 #include <stdint.h>
14
15 /* task 1
* The function print_bits() accepts an input of type uint16_t and has
* no return value (void).
* The function simply writes the binary and hexadecimal number of the
19 * input to the terminal.
20 */
21 void print_bits(uint16_t arg_word);
22
23 /* task 3
24 * The function bit_merge() accepts two uint16_t as inputs and combines
25 * them to a uint32_t number by merging them.
   * The return value is a uint32_t number.
26
   */
27
28
   uint32_t bit_merge(uint16_t lsb, uint16_t msb);
29
```