

Check your input

Homework II.

PA193 – Secure coding



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Input

- TLV string
- Example: 0E F1 05 FA 12 A3 D5 B8
- **Type** – 2 bytes
- **Length** – 1 byte
- **Value** – n bytes
- Input as command line arguments - (int argc, char *argv[])
- Program will be executed as ./main 0E F1 05 FA 12 A3 D5 B8

Task

- Create program that accepts described input
- Process it any way you like (save, print, etc ...)
- MAX filesize is 1 KB – strictly
- Use plain C
- Make as many **logically different** input processing bugs / mistakes
- Program must compile without errors on aisa using `gcc -std=c99` (any amount of warnings is permitted)

What to submit

- Upload your solution to IS homework vault
 - Two files
 - main.c – your program, max filesize 1 KB
 - Text – description of your program (pdf or txt)
- Discuss each individual introduced bug
 - Why it is a bug
 - What consequences of the bug
 - How to fix it (e.g. replace gets with fgets)
- Deadline: 20.10.2016 23:59 (full number of 7 points)
 - Every additional 24h started means 2 points penalization