

# Computational Physics Homework # 101.

Weonjong Lee

2023-09-08

When you hand in the homework, you should gather all your files into a single tarball file as follows.

- Use an unix command `tar -czf <file name>.tar.gz <file 1> <file 2> ...`.
- For undergraduate students, put a copy of a tarball `<file name>.tar.gz` into a directory:  
`/physics/upload/comp2023/<user-ID>`.
- For graduate students, put a copy of a tarball `<file name>.tar.gz` into a directory:  
`/physics/upload/acomp2023/<user-ID>`.
- You must use the GNU `make` command and `Makefile` to compile the code starting from the homework `hw101`.

## Chapter 2 and Chapter 3

1. In the class, you learned how to make a loop. Using for-loop, while-loop and do-while-loop, write a code which can sum all the numbers which satisfies the following conditions:

- $i$  is an integer.
- $0 < i < 10000$
- $i \% 16 = 7$

WARNING: do not use “continue” in your code.

2. In the class, you learned how to use “continue” in a loop. Write the same code of the previous problem using “continue”.