PicoCTF Write Ups week 2:

1. convertme.py:
    a. Downloaded the file and used the command “python3 convertme.py” to execute it and get the decimal number.
    b. The number was 23 and to get the flag it had to be converted to binary.
    c. The result was 10111 and got the flag.
    d. picoCTF{4ll_y0ur_b4535_722f6b39}
2. what’s a net cat?
    a. Used the command “nc jupiter.challenges.picoctf.org 25103” to establish the connection and get the flag.
    b. picoCTF{nEtCat_Mast3ry_d0c64587}
3. First Grep
    a. Downloaded the file and used the command “file file” to see what type of file it was.
    b. After ensuring that it was a text file the next command used was “grep ‘pico’ file” to search for the flag.
    c. picoCTF{grep_is_good_to_find_things_f77e0797}
4. First Find
    a. Downloaded the zip file and used the command “unzip files.zip” to extract the files.
    b. I continued with the command “find files/ -name uber-secret.txt -exec cat {} \;” to find the file named uber-secret.txt and when it does pass it to “cat” to print on the terminal the flag.
    c. picoCTF{f1nd_15_f457_ab443fd1}
5. Big Zip
    a. Downloaded the file and used the command “unzip big-zip-file.zip” to extract.
    b. Used the command “find big-zip-files/ -name *.txt -exec grep “pico” {} \;” to search for all the files that ended in “.txt” and in each one search for a line containing the string “pico” to get the flag.
    c. picoCTF{gr3p_15_m4g1c_ef8790dc}
6. strings it
    a. Downloaded the file and used the command “strings strings | grep “pico”” to transfer the output of the “strings” command to “grep” as input and search for the keyword “pico” to get the flag.
    b. picoCTF{5tRIng5_1T_d66c7bb7}
7. plumbing
    a. Used the command “nc jupiter.challenges.picoctf.org 14291 | grep “pico”” to establish the connection and send the output to grep to get the flag.
    b. picoCTF{digital_plumb3r_ea8bfec7}
8. fixme1.py
    a. Downloaded the file and executed the file with “python3 fixme1.py”, it said that there was an error in line 20.

   b. Used the command “nano fixme1.py” to read the code and fix line 20 since there was a wrong indentation.
   c. After fixing it I executed the program again with the command used in the first step and got the flag
   d. picoCTF{1nd3nt1ty_cr1515_09ee727a}
9. Insp3ct0r
   a. Entered the website via the link provided by the problem and used the inspect tool to start searching.
   b. After close inspection the first part of the flag was in the HTML script, the second in the CSS script and the third in the Javascript script.
   c. picoCTF{tru3_d3t3ct1ve_0r_ju5t_lucky?f10be399}
10. Codebook
   a. Downloaded the 2 files including one named “codebook.txt” that had to be in the same folder as the python script.
   b. Used the command “python3 code.py” to execute the script and get the flag.
   c. picoCTF{c0d3b00k_455157_d9aa2df2}