. . . In this session, you will create a command shell in Python, and then run it and answer questions about it. Review the blogs at Praka (2018) and Szabo (n.d.) and then create a CLI/ shell that implements the following: When you enter the command LIST it lists the contents of the current directory The ADD command will add the following two numbers together and provide the result The HELP command provides a list of commands available The EXIT command exits the shell Add suitable comments to your code and add the program to your e-portfolio. Be prepared to demonstrate it in the seminar session next week. Run the shell you have created, try a few commands and then answer the questions helow: What are the two main security vulnerabilities with your shell? **Injection and Errors What is one recommendation you would make to increase the security of the shell? Input sanitation Add a section to your e-portfolio that provides a (pseudo)code example of changes you would make to the shell to improve its security. # Test for only numeric characters count = 0for char in code: count += 1 if (ord(char) < 48 and ord(char) > 57): print("Incorrect character used at character", count, "from left side") break . . . """ This program is a command shell with only four commands """ from cmd import Cmd import os class Cli(Cmd): """ Cli facilitates the addition of new commands to the Cmd class """ prompt = 'cmd > '

""" adds two numbers entered after the command """

def do_add(self, inp):

answer = 0
for i in nums:

nums = inp.split()

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answer += float(i)
print(answer)

def do_exit(self, inp):
    """ Ends program """

    print("Session ended")
    return True

def do_list(self, inp):
    print(os.listdir())

Cli().cmdloop()
```