19th December 2023
Assignment 1 - Internship
Narasimhan Kannan Iyer

1) Answer will be 15 as I tried doing the same in a Jupyter notebook and I got the output as 15. The main is because the func is used as a recursive function. This was not covered in course but I researched about it and got to learn. This was a good question!

2) Filter is the correct answer as lambda function is used to check for even numbers from the tuple containing all the numbers. Once even numbers are defined another variable is created with the function filter where the lambda function is used to filter out only the even numbers from the given tuple.

3) Answer is Tuple. *args are basically the number of arguments you can pass while defining a function. I do need some help in understanding the same in more examples.

4) Error. We cannot concatenate sets using the + symbols.

5) raise keyword is used in python to raise exceptions.

6) datetime is the correct answer

7) 208

8) I researched a bit and got answer as strftime but not able to understand the concept clearly.

9) Immutable.

10) Range

11) Lambda Function

12) Serializing Python object structure

13) dump()

14) load()

15) All of the above

16) both a and b

17) captains{}

18) captains["Enterprise"] = "Picard" captains["Voyager"] = "Janeway" captains["Defiant"] = "Sisko"

19th December 2023
Assignment 1 - Internship
Narasimhan Kannan Iyer

19) for ship, captain in captains.items(): print(f"The {ship} is captained by {captain}.") is the correct answer as items() is used to iterate over the key and value pair in the dictionary captains with additional context using f format string

20) del captains["Discovery"] as del function is used to delete key and value from a dictionary in python