**Assignment 18 Solutions**

!type zoo.py

def hours():

print("Open 9-5 daily")

1. Create a zoo.py file first. Define the hours() function, which prints the string 'Open 9-5 daily'. Then, use the interactive interpreter to import the zoo module and call its hours() function.

import zoo

zoo.hours()

Open 9-5 daily

2. In the interactive interpreter, import the zoo module as menagerie and call its hours() function.

import zoo as menagerie

menagerie.hours()

Open 9-5 daily

3. Using the interpreter, explicitly import and call the hours() function from zoo.

from zoo import hours

hours()

Open 9-5 daily

4. Import the hours() function as info and call it.

from zoo import hours as info

info()

Open 9-5 daily

5. Create a plain dictionary with the key-value pairs 'a': 1, 'b': 2, and 'c': 3, and print it out.

plain\_dict = {'a':1,'b':2,'c':3}

print(plain\_dict)

{'a': 1, 'b': 2, 'c': 3}

6.Make an OrderedDict called fancy from the same pairs listed in 5 and print it. Did it print in the same order as plain?

from collections import OrderedDict

fancy = OrderedDict(plain\_dict)

print(f'plain\_dict -> {plain\_dict}')

print(f'fancy -> {fancy}')

plain\_dict -> {'a': 1, 'b': 2, 'c': 3}

fancy -> OrderedDict([('a', 1), ('b', 2), ('c', 3)])

7. Make a default dictionary called dict\_of\_lists and pass it the argument list. Make the list dict\_of\_lists['a'] and append the value 'something for a' to it in one assignment. Print dict\_of\_lists['a'].

from collections import defaultdict

dict\_of\_lists = defaultdict(list)

dict\_of\_lists['a'].append('something for a')

print(dict\_of\_lists['a'])

['something for a']