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.

:- (zoo.py)

def hours():

print("Open 9-5 daily")

(test.py)

import zoo

zoo.hours()

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

:- import zoo as menagerie

menagerie.hours()

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

:- from zoo import hours

hours()

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

:- from zoo import hours as info

info()

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

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

print(my\_dict)

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([('a', 1), ('b', 2), ('c', 3)])

print(fancy)

Yes, an OrderedDict will maintain the order of insertion, so if the items are added in the same order as in the plain dictionary, it will print in the same order.

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

# create a defaultdict with list as the default factory

dict\_of\_lists = defaultdict(list)

# append 'something for a' to the 'a' key

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

# print the value for the 'a' key

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