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.

ANS :- def hours():

print('Open 9-5 daily')

>>> import zoo

>>> zoo.hours()

Open 9-5 daily

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

ANS :- >>> import zoo as menagerie

>>> menagerie.hours()

Open 9-5 daily

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

ANS :- >>> from zoo import hours

>>> hours()

Open 9-5 daily

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

ANS :- >>> import zoo as info

>>> info.hours()

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.

ANS :- # Create the dictionary

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

# Print the dictionary

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?

ANS :- from collections import OrderedDict

# Create the OrderedDict

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

# Print the OrderedDict

print(fancy)

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'].

ANS :- from collections import defaultdict

# Create the defaultdict with lists as default values

dict\_of\_lists = defaultdict(list)

# Append a value to the list associated with the key 'a'

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

# Print the list associated with the key 'a'

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