**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 –

1. Create a new file named zoo.py and open it in a text editor.
2. In the "zoo.py" file, define the hours() function as follows:

**def hours():**

**print('Open 9-5 daily')**

1. Save the file after defining the function.
2. Open the Python interactive interpreter or any Python interactive environment.
3. Import the zoo module using the import statement:

**import zoo**

1. Call the hours() function from the zoo module:

**zoo.hours()**

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

Ans –

Open the Python interactive interpreter

import “zoo”

import zoo as menagerie

menagerie.hours()

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

Ans –

Open the Python interactive interpreter

from zoo import hours

call hours()

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

from zoo import hours as info

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

Ans

dictionary = {‘a’ : 1, ‘b’ : 2, ‘c’ :3}

print{dictionary}

{‘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?**

Ans –

from collection import OrderedDict

fancy = OrderedDict([(‘a’ 1) , (“b” , 2) , (‘c’, 3)])

print(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'])