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.**

from google.colab import files

uploaded = files.upload()

Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable.

Saving zoo.py to zoo.py

import zoo

from importlib import reload

reload(zoo)

zoo.hours()

**Output:**

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()

**Output:**

Open 9-5 daily

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

**Ans.**

import zoo

zoo.hours()

**Output:**

Open 9-5 daily

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

**Ans.**

from zoo import hours

hours

**Output:**

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.**

plain = {‘a’: 1, ‘b’: 2, ‘c’: 3}

plain

**Output:**

{‘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 collections import OrderedDict

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

print(fancy)

**Output:**

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'].

**Ans.**

from collections import defaultdict

# create the default dictionary with default value as an empty list

dict\_of\_lists = defaultdict(list)

# append the value 'something for a' to the list under key 'a'

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

# print the list under key 'a'

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

**Output:**

['something for a']