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.

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

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

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

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

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?

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'].

Answers

1. **Create a zoo.py File and Define the hours() Function**:
   * Create a file named zoo.py with the following content:

**Python**

# zoo.py

def hours():

print("Open 9-5 daily")

1. **Import and Call the hours() Function**:
   * In the interactive interpreter, import the zoo module as menagerie and call its hours() function.

**Python**

>>> import zoo as menagerie

>>> menagerie.hours()

Open 9-5 daily

1. **Explicitly Import and Call the hours() Function**:
   * Using the interpreter, explicitly import and call the hours() function from zoo.

**Python**

>>> from zoo import hours

>>> hours()

Open 9-5 daily

1. **Import the hours() Function as info and Call It**:
   * Import the hours() function as info and call it.

**Python**

>>> from zoo import hours as info

>>> info()

Open 9-5 daily

1. **Create a Plain Dictionary**:
   * Create a plain dictionary with the given key-value pairs and print it.

**Python**

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

print(plain\_dict)

1. **Create an OrderedDict (fancy) and Print It**:
   * Create an OrderedDict called fancy from the same key-value pairs and print it.
   * The order of an OrderedDict is guaranteed to be the same as the order of insertion.

**Python**

from collections import OrderedDict

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

print(fancy)

1. **Create a Default Dictionary (dict\_of\_lists)**:
   * Create a default dictionary called dict\_of\_lists with the argument list.
   * Append the value 'something for a' to dict\_of\_lists['a'] in one assignment.
   * Print dict\_of\_lists['a'].

**Python**

from collections import defaultdict

dict\_of\_lists = defaultdict(list)

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

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