1.Create a zoo.py file first. Define the hours() feature, which prints the string 'Open 9-5 daily'. Then import the zoo module and call its hours() function using the interactive interpreter.

Ans:- $ **python** **zoo.py**

**def hours():**

**print**("Open 9-5 daily\n")

**import** **zoo**

zoo.hours()

2. Import the zoo module as menagerie and call its hours() feature in the interactive interpreter.

Ans:- **def hours():**

print( "Open 9-5 daily\n")

import zoo as menagerie

menagerie.hours()

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

Ans:-def hours():

print( "Open 9-5 daily\n")

from zoo import hours

hours()

4. Call the hours() function after importing it as information.

Ans:-def hours():

print("Open 9-5 daily\n")

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.

Ans:-plain= { 'a': 1, 'b': 2, 'c': 3}

print(plain)

6. From the same pairs mentioned in 5, create an OrderedDict called fancy and print it. Was it printed in the same order as the plain version?

Ans:- from collections import OrderedDict

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

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

print('dict(pairs):', plain)

print('fancy=', fancy)

yes

output:- dict(pairs): {'a': 1, 'b': 2, 'c': 3}

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

7. Create a dict of lists defaultdict and move the argument list to it. In one assignment, create the list dict of lists['a'] and append the value'something for a' to it. dict of lists['a'] should be printed.

Ans:-

from collections import defaultdict

dict\_of\_lists = defaultdict(list)

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

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

|  |
| --- |
| # Importing defaultdict  from collections import defaultdict    lst = [('Geeks', 1), ('For', 2), ('Geeks', 3)]  orDict = defaultdict(list)    # iterating over list of tuples  for key, val in lst:      orDict[key].append(val)    print(orDict) |

**Output:**

defaultdict(, {'For': [2], 'Geeks': [1, 3]})