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.

Answer:

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.

Answer:

import zoo as menagerie

menagerie.hours()

>> Open 9-5 daily

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

Answer:

from zoo import hours

hours()

>> Open 9-5 daily

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

Answer:

from zoo import hours as info

info()

>> 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.

Answer:

plain = {

'a': 1,

'b': 2,

'c': 3,

}

print(plain)

>> {'c': 3, 'a': 1, 'b': 2}

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?

Answer:

from collections import OrderedDict

pairs = (

('a', 1), ('b', 2), ('c', 3),

)

fancy = OrderedDict(pairs)

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

print('fancy=', fancy)

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

>>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'].

Answer:

from collections import defaultdict

dict\_of\_lists = defaultdict(list)

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

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

>>['something for a']