Python Assignment - 18

**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.**

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To create the ‘zoo.py’ file , the steps are:

* Open a text editor or an integrated development environment (IDE) of your choice.
* Create a new file and save it as zoo.py.
* In the zoo.py file, add the following code:

Def hours():

print(‘Open 9-5 daily’)

Now, to use the interactive interpreter to import the zoo module and call its hours() function, follow these steps:

* Open your terminal or command prompt.
* Navigate to the directory where the zoo.py file is located using the cd command. For example, if the file is located in the Desktop directory, you can use the following command:

‘cd Desktop’

* Launch the Python interactive interpreter by typing python or python3 in the terminal and pressing Enter.
* In the Python interpreter, import the zoo module by typing the following command:

‘import zoo’

* Call the ‘hours()’ function from the ‘zoo’ module using the command:

‘zoo.hours()’

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

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* Import ‘zoo’ module as ‘menagerie’ using the following command:

‘import zoo as menagerie’

* Call the ‘hours()’ function from the ‘menageria’ module using the following command:

‘menageria.hours()’

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

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* Explicitly import the hours() function from the zoo module using the following command:

‘from zoo import hours’

* Call the hours() function directly, without using any module prefix, as it has been imported explicitly. Use the following command:

‘hours()’

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

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* Import the hours() function from the zoo module as info using the following command:

‘from zoo import hours as info’

* Call the ‘info()’ function using the following command:

‘info()’

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

=> my\_dict = {‘a’:1, ‘b’:2, ‘c’:3}

print(my\_dict)

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?**

=> 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'].**

=>

from collections import defaultdict

dict\_of\_lists = defaultdict(list)

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

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

output: ['something for a']