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:

```
Anaconda Prompt (anaconda3) - python

(base) C:\Users\thejaswini>cd Desktop

(base) C:\Users\thejaswini\Desktop>python
Python 3.9.7 (default, Sep 16 2021, 16:59:28) [MSC v.1916 64 bit (AMD64)] :: Anaconda, Inc. on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import zoo as z
>>> z.hours()
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()
Open 9-5 daily
```

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

Ans:

```
>>> from zoo import hours
>>> hours()
Open 9-5 daily
>>>
```

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

Ans:

```
>>> 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.

Ans:

```
In [3]:
1 plain = dict({'a':1,'b':2,'c':3})
2 print(plain)

{'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:

```
In [5]:
1 from collections import OrderedDict
2 fancy = OrderedDict(plain)
3 print(plain)
4 print(fancy)

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

```
In [6]:
1 from collections import defaultdict
2 dict_of_lists = defaultdict(list)
3 dict_of_lists['a'].append('something for a')
4 print(dict_of_lists['a'])

['something for a']
```