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.

\*\*`zoo.py` file content:\*\*

```

# zoo.py

def hours():

print('Open 9-5 daily')

``

\*\*Interactive interpreter:\*\*

```

import zoo

zoo.hours()

```

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

```

import zoo as menagerie

menagerie.hours()

```

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

```

from zoo import hours

hours()

```

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

```

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.

```

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

print(plain\_dict)

```

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)

```

Yes, `OrderedDict` maintains the order of insertion, so it prints in the same order as the plain dictionary.

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'])

```