

## 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.

**Ans.** >>> import zoo

```
>>> zoo.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.** >>> plain = {'a': 1, 'b': 2, 'c': 3}

```
>>> 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.** >>> from collections import OrderedDict  
>>> fancy = OrderedDict([('a', 1), ('b', 2), ('c', 3)])  
>>> print(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'].**

**Ans.** >>> 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']