JIUE3108 Introduction to Computing Using Python

Homework 3

Deadline: 2023.9.10 Midnight (SUN)

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Odd Semester, 2023
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HandWritten Notes

- Read and summarize the textbook, not write down what is in the Slides.

- Avoid summarizing or copying content directly from the Slides.

! DO NOT BE LATE ! 🤬

| ~ 9/10 | **Containers and Randomness**
6.1 Dictionaries
6.2 Sets
Python Data Types
2.4 Objects and Classes
2.5 Python Standard Library | **3. Lists, Tuples, Dictionaries and Sets**
- Dictionaries and Sets
5. Modules, Packages, and Programs
- Standalone Programs
- Command-Line Arguments
- Modules and the import Statement
- Packages
- Python Standard Library |

Dictionary Practice 3

```python
1.  Given the dictionary of fruits and their prices:
    fruits = {'apple': 3000, 'watermelon': 12000,
    'strawberry': 9000, 'orange': 5000, 'peach': 4000}

2.  Print all its keys.
3.  Delete the 'orange' item.
4.  Print the dictionary again.
```

Dictionary Practice 4

```python
1. Using a dictionary.

2. Create a dictionary with numbers and corresponding country names.
     'one': 'korea',
     'two': 'brazil',
     'three': 'indonesia',
     'four': 'usa'

3. Add 'japan' to 'five' and delete the entry with the number 'two'.

4. Print only the keys (indexes)

5. Print only the values.
```

Q3. Print

```
python
```

Print the following sentences

1. "Hello World"
   - **Include the double quotation marks:**   `"Hello World"`
2. "!@#$%^&*()'
   - **Include the single and double quotation marks:**   `"!@#$%^&*()'`
     Hint: using \ before the quotation mark.

3. "C:\Download\'hello'.py"
   - **Include the double quotation marks:**   `"C:\Download\'hello'.py"`
     Hint: use \\ to print \ safely.

Q3. Print Sample Output

```python
"Hello World"

"!@#$%^&*()'

"C:\Download\'hello'.py"
```

Q4. List

python

Let alist = ['a', 'b', 'c', 'd', 'e', 'f'].

Find the output using the list index: [?:?]
1. ['b', 'c']
2. ['a', 'b', 'c', 'd']
3. ['d', 'e', 'f']
4. Remove 'b' using list method.
5. Add 'z' in index 2 using list method.
6. Pop the element in the list.
7. Sort the list using list method.

Q4. List Sample Output

```
python
1) ['b', 'c']
2) ['a', 'b', 'c', 'd']
3) ['d', 'e', 'f']
4) ['a', 'c', 'd', 'e', 'f']
5) ['a', 'c', 'z', 'd', 'e', 'f']
6) ['a', 'c', 'z', 'd', 'e']
7) ['a', 'c', 'd', 'e', 'z']
```