

Programming Language Learning Series

Mastery of Python Language

(Interview Questions/Assignment-Set,Dict)

Q1: Do the following:

- Create a dictionary with day of week as key and number of letters as value.
- Loop through the created dictionary, and print the day and number of letters for each entry on a separate line.
- Loop through the created dictionary, and print the day and number of letters for each entry on a separate line, but only for days with more than 6 letters.

Q2: Define a function which can generate a dictionary where the keys are numbers between 1 and 20 (both included) and the values are square of keys. The function should just print the keys only.

Q3: Write a function that accepts a sentence and calculate the number of letters and digits.

Input: hello world! 123

Output:

LETTERS 10

DIGITS 3

Q4: Write a function that accepts a comma separated sequence of words as input and prints the words in a comma-separated sequence after sorting them alphabetically.

Input: education, is, experience, joyful, fun, not, mess

Output: education, experience, fun, is, joyful, mess, not

Q5: Write a function that accepts a comma separated sequence of words as input and prints the words in a comma-separated sequence after removing all duplicate words and sorting them alphanumerically.

Input: education, is, experience, joyful, fun, not, mess, joyful, is, fun, fun

Output: education, experience, fun, is, joyful, mess, not

Q6: What is the output of the following code snippet?

```
s = {char for char in 'tweedledum'}  
print(len(s))
```

how would you sort keys in dictionary