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Batch DS2407-02

1 What will be the output of the following code snippet?

```
def func(a, b):  
    return b if a == 0 else func(b % a, a)  
print(func(30, 75))
```

➤ **15**

2 numbers = (4, 7, 19, 2, 89, 45, 72, 22)

sorted_numbers = sorted(numbers)

even = lambda a: a % 2 == 0

even_numbers = filter(even, sorted_numbers)

print(type(even_numbers))

➤ **Filter**

3 As what datatype are the *args stored, when passed into

➤ **Tuple**

4 set1 = {14, 3, 55}

set2 = {82, 49, 62}

set3={99,22,17}

print(len(set1 + set2 + set3))

5 What keyword is used in Python to raise exceptions?

➤ **Raise**

6 Which of the following modules need to be imported to handle date time computations in Python?

➤ **Datetime**

7 What will be the output of the following code snippet?

```
print(4**3 + (7 + 5)**(1 + 1))
```

➤ **208**

8 Which of the following functions converts date to corresponding time in Python?

- **Strftime**

9 The python tuple is _____ in nature.

- **Immutable**

10 The ____ is a built-in function that returns a range object that consists series of integer numbers, which we can iterate using a for loop.

- **'range()'**

11 Amongst which of the following is a function which does not have any name?

- **Lambda function**

12 The module Pickle is used to ____.

- **Serializing Python object structure and De-serializing Python object structure**

13 Amongst which of the following is / are the method of convert Python objects for writing data in a binary file?

- **Dump() method**

14 Amongst which of the following is / are the method used to unpickling data from a binary file?

- **Load()**

15 A text file contains only textual information consisting of ____.

- **Alphabets, Numbers and Special symbols**

16 Which Python code could replace the ellipsis (...) below to get the following output?

- **for ship, captain in captains.items():
print(ship, captain)
and**
- **for ship in captains:
print(ship, captains[ship])**

17 Which of the following lines of code will create an empty dictionary named captains?

- **captains = {}**

18 Now you have your empty dictionary named `captains`. It's time to add some data!

Specifically, you want to add the key-value pairs `"Enterprise": "Picard"`, `"Voyager": "Janeway"`, and `"Defiant": "Sisko"`.

Which of the following code snippets will successfully add these key-value pairs to the existing `captains` dictionary?

- **`captains["Enterprise"] = "Picard"`
`captains["Voyager"] = "Janeway"`
`captains["Defiant"] = "Sisko"`**