

## **DATASCIENCE INTERNSHIP MCQ ASSIGNMENT- Batch DS2402**

**Link to access python codes-**

**<file:///C:/Users/Admin/Downloads/FLIP%20ROBO%20DATASCIENCE%20INTERNSHIP%20ASSIGNMENT%201-%20DS2402.html>**

**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))
```

c) 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))
```

b) Filter

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

a) Tuple

**4. set1 = {14, 3, 55}**

**set2 = {82, 49, 62}**

**set3={99,22,17}print(len(set1 + set2 + set3))**

d) Error

**5. What keyword is used in Python to raise exceptions?**

a) raise

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

c) datetime

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

a) strptime

**9. The python tuple is \_\_\_\_\_ in nature.**

b)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.

A. range()

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

C. Lambda function

12. The module Pickle is used to \_\_\_\_.

C. Both A and B

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

B. dump() method

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

B. set() method

15. A text file contains only textual information consisting of \_\_\_\_.

D. All of the mentioned above

16. Which Python code could replace the ellipsis (...) below to get the following output? (Select all that apply.)  
captains = { "Enterprise": "Picard", "Voyager": "Janeway", "Defiant": "Sisko", }  
Enterprise Picard, Voyager Janeway Defiant Sisko

D both a and b

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

(d) 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?

b) captains["Enterprise"] = "Picard"  
captains["Voyager"] = "Janeway"  
captains["Defiant"] = "Sisko"

19. You're really building out the Federation Starfleet now! Here's what you have:

`captains = {  
"Enterprise": "Picard",`

```
"Voyager": "Janeway",  
"Defiant": "Sisko",  
"Discovery": "unknown",
```

**}Now, say you want to display the ship and captain names contained in the dictionary, but you also want to provide some additional context. How could you do it?**

```
b) for ship, captain in captains.items():  
    print(f"The {ship} is captained by {captain}.")
```

**20. You've created a dictionary, added data, checked for the existence of keys, and iterated over it with a for loop. Now you're ready to delete a key from this dictionary:**

```
captains = {  
    "Enterprise": "Picard",  
    "Voyager": "Janeway",  
    "Defiant": "Sisko",  
    "Discovery": "unknown",  
}
```

**What statement will remove the entry for the key "Discovery"?**

```
c) del captains["Discovery"]
```