

## Assignment 1 (d1--1---1---1-)

### Internship Number-0523

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))
```

Answer: C

```
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))
```

Answer: B

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

Answer : A

```
4. set1 = {14, 3, 55}  
set2 = {82, 49, 62}  
set3={99,22,17}  
print(len(set1 + set2 + set3))
```

Answer: D

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

Answer: A

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

Answer : C

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

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

Answer: C

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

Answer : A

9) The python tuple is\_\_\_\_\_in nature.

**Answer : B**

**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.**

Answer: A

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

**Answer: C**

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

**Answer : C**

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

**Answer: B**

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

**Answer: A**

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

**Answer: D**

**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
```

Answer: C

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

Answer: C

**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**

Answer: A

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?
```

**Answer: A**

20. What statement will remove the entry for the key "Discovery"?

Answer : D