

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))
```

**Ans:- 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))`

**Ans:- Filter**

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

**Ans:- Tuple**

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

**Ans :- Error.**

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

**Ans:- Raise**

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

**Ans:- datetime**

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

**Ans:- 208**

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

**Ans:- strptime()**

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

**Ans:- 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.

**Ans:- range()**

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

**Ans:- Lambda Function**

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

**Ans:- 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?

**Ans:- dump()**

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

**Ans:- load()**

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

**Ans:- All Of The Mentioned.**

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", }
```

**Ans:- Both a and B.**

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

**Ans:- 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?

**Ans:- captains = {**

**"Enterprise": "Picard",**

**"Voyager": "Janeway",**

**"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?

**Ans:- 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", }`

**Ans:- `del captains["Discovery"]`**