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**
7. What will be the output of the following code snippet? :- **c) 208**
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? :- **d) None of the mentioned above**
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? :- **a) load()**
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? :- **c) 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? :- **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"]**