

Flip Robo Question answers (Assignment 1)

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 is option 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))`

Answer is option B = Filter

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

Answer is option A = Tuple

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

Answer is option D = ERROR

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

Answer is except

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

Answer is Date time

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

Answer is 208

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

Answer is NONE

9. The python tuple is _____ in nature.

Answer)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.

Answer A. range()

11. function which does not have any name

Answer Lamda

12. The module Pickle is used to ____.

Answer 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?

ANSWER None of the above

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

Answer A. load ()

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

Answer D. All of the mentioned above

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

a) for ship, captain in captains.items(): print(ship, captain)

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

Answer a) 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?

a) for item 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", }

ANSWER IS del captains["Discovery"]