

MCQ Answers

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

Answer: 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: B) Filter

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

Answer: A) Tuple

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

Answer: D) Error

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

Answer: A) Raise

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

Answer: C) Datetime

7. What will be the output of the following code snippet?
`print(4**3 + (7 + 5)**(1 + 1))`

Answer: C) 208

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

Answer: D) None

9. The python tuple is _____ in nature.

Answer: 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.

Answer: A) Range()

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

Answer: C) Lambda Function

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: B) Dump() method

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.)

Answer: B) For ship in captains:
print (ship, captains[ship])

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

Answer: 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?

Answer: 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?

Answer: B) For ship, captain in captains.items():

Print("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"?

Answer: C) del captains["Discovery"]