MCQs

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) 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: b) List

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: a) strptime

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 (i.e. Serializing & De-serializing Python object structure)

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: b) set() method

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.)

captains = {

"Enterprise": "Picard",

"Voyager": "Janeway",

"Defiant": "Sisko",

}

Enterprise Picard,

Voyager Janeway

Defiant Sisko

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(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"?

Answer: c) del captains["Discovery"]

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