Patch No: 2403

Question 1: def func(a, b): return b if a == 0 else func(b % a, a) print(func(30, 75))
Answer: 15

Question 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: Filter

Question 3: As what datatype are the *args stored, when passed into
Answer: Tuple

Question 4: set1 = {14, 3, 55} set2 = {82, 49, 62} set3={99,22,17} print(len(set1 + set2 + set3))
Answer: Error

Question 5: What keyword is used in Python to raise exceptions?
Answer: Raise

Question 6: Which of the following modules need to be imported to handle date time computations in Python?
Answer: datetime

Question 7: print(4**3 + (7 + 5)**(1 + 1))
Answer: 208

Question 8: Which of the following functions converts date to corresponding time in Python?
Answer: strptime

Question 9: The python tuple is _____ in nature.
Answer: immutable

Question 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: range()

Question 11: Amongst which of the following is a function which does not have any name?
A. Del function B. Show function C. Lambda function D. None of the mentioned above
Answer: Lambda function

Question 12: The module Pickle is used to ___.
Answer: Both A and B

Question 13: Amongst which of the following is / are the method of convert Python objects for writing data in a binary file?
Answer: dump() method

Question 14: Amongst which of the following is / are the method used to unpickling data from a binary file?
Answer: load()

Question 15: A text file contains only textual information consisting of ___.
Answer: All of the above

Question 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 a) for ship, captain in captains.items(): print(ship, captain) b) for ship in captains: print(ship, captains[ship]) c) for ship in captains: print(ship, captains) d) both a and b
Answer: both A and B

Question 17: Which of the following lines of code will create an empty dictionary named captains?
Answer: captains = {}

Question 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: captains = { "Enterprise": "Picard", "Voyager": "Janeway", "Defiant": "Sisko"}

Question 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].") b) for ship, captain in captains.items(): print(f"The {ship} is captained by {captain}.") c) for captain, ship in captains.items(): print(f"The {ship} is captained by {captain}.") d) All are correct
Answer: for ship, captain in captains.items():
            print(f"The {ship} is captained by {captain}.")

Question 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: del captains["Discovery"]