

MCQ

Q.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: 15

Q.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

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

Answer: Tuple

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

Answer: Error

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

Answer: raise

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

Answer: datetime

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

Answer: 208

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

Answer: strptime

Q.9: The python tuple is _____ in nature

Answer: immutable

Q.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()

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

Answer: Lambda function

Q.12: The module Pickle is used to ____.

Answer: Both A and B

Q.13: Amongst which of the following is / are the method of convert Python objects for writing data in a binary file

Answer: dump() method

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

Answer: load() method

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

Answer: All of the mentioned above

Q.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: print(ship, captain)

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

Answer: captains = {}

Q.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"

Q.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: for ship, captain in captains.items(): print(f"The {ship} is captained by {captain}.")

Q.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"]