MCQ

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))**

* 1. 10
  2. 20
  3. 15
  4. 0

**Ans:-C**

1. **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))**

* 1. Int
  2. Filter
  3. c.List
  4. d.Tuple

**Ans:-B**

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

a) Tuple

1. List
2. Dictionary
3. none

**Ans - A**

1. **set1 = {14, 3, 55}**

**set2 = {82, 49, 62} set3={99,22,17}**

**print(len(set1 + set2 + set3))**

1. a.105
2. b.270
3. c.0
4. d.Error

**Ans - D**

1. **What keyword is used Pytho to raise exceptions?**
2. raise
3. try
4. go to
5. except

**Ans :-A**

1. **Which of the following modules need to be imported to handle date time computations in Python?**
2. Time date
3. date
4. date time
5. time

**Ans - C**

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

**print(4\*\*3 + (7 + 5)\*\*(1 + 1))**

* 1. 248
  2. 169
  3. 208
  4. 233

**Ans :- C**

1. **Which of the following functions converts date to corresponding time in Python?**
2. strptime
3. strftime
4. both a) and b)
5. None

**Ans - B**

9**) The python tuple is \_\_\_\_\_ in nature**.

1. mutable
2. immutable
3. unchangeable
4. none

**Ans : - B**

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.**

1. range()
2. set()
3. dictionary{}
4. None of the mentioned above

**Ans:-A**

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

1. Del function
2. Show function
3. Lambda function
4. None of the mentioned above

**Ans - C**

12) **The module Pickle is used to \_\_\_.**

1. Serializing Python object structure
2. De-serializing Python object structure
3. Both A and B
4. None of the mentioned above

**Ans - C**

13) **Amongst which of the following is / are the method of convert Python objects for writing data in a binary file?**

1. set() method
2. dump() method
3. load() method
4. None of the mentioned above

**Ans – B&C**

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

1. load()
2. set() method
3. dump() method
4. None of the mentioned above

**Ans :- A**

15) **A text file contains only textual information consisting of \_\_\_.**

1. Alphabets
2. Numbers
3. Special symbols
4. All of the mentioned above

**Ans: - D**

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

1. for ship, captain in captains.items():

print(ship, captain)

1. for ship in captains:

print(ship, captains[ship])

1. for ship in captains:

print(ship, captains)

1. both a and b

**Ans:- A &D**

|  |
| --- |
| captains |

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

1. captains = {dict}
2. type(captains)
3. captains.dict()
4. captains = {}

**Ans:- D**

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?

1. captains{"Enterprise" = "Picard"} captains{"Voyager" = "Janeway"} captains{"Defiant" = "Sisko"}

1. captains["Enterprise"] = "Picard" captains["Voyager"] = "Janeway" captains["Defiant"] = "Sisko"

1. captains = {

"Enterprise": "Picard",

"Voyager": "Janeway",

"Defiant": "Sisko",

}

1. None of the above

**Ans :- B**

1. ) 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?

* 1. for item in captains.items():

print(f"The [ship] is captained by [captain].")

* 1. for ship, captain in captains.items():

print(f"The {ship} is captained by {captain}.")

* 1. for captain, ship in captains.items():

print(f"The {ship} is captained by {captain}.")

* 1. All are correct

**Ans: - B**

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",

}

|  |
| --- |
| "Discovery" |

What statement will remove the entry for the key ?

* 1. del captains
  2. captains.remove()
  3. del captains["Discovery"]
  4. captains["Discovery"].pop()

**Ans :- G**