**Answers**

1. 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**

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))

**Answer : B) Filter**

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

**Answer :A) Tupel**

1. set1 = {14, 3, 55}

set2 = {82, 49, 62}

set3={99,22,17}

print(len(set1 + set2 + set3))

**Answer : D) Error**

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

**Answer :A) raise**

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

**Answer : C) datetime**

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

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

**Answer : C) 208**

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

**Answer : B) strftime**

1. The python tuple is \_\_\_\_\_ in nature

**Answer : C) immutable**

1. 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()**

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

**Answer : C) Lambda function**

1. The module Pickle is used to \_\_\_.

**Answer : C) Both A and B**

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

**Answers : B) dump() method**

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

**Answers : A) load()**

1. A text file contains only textual information consisting of \_\_\_.

**Answer : D) All of the mentioned above**

1. 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 : D) both a and b**

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

**Answer** : **D) captains = {}**

1. 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"**

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?

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

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

1. 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"]**