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))

**Output = 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))

**Output = FLITER**

3) As what datatype are the \*args stored, when passed into **Output = TUPLE**

4) set1 = {14, 3, 55}

set2 = {82, 49, 62}

set3 = {99,22,17}

print(len(set1 + set2 + set3))

**Output = ERROR**

5)What keyword is used in Python to raise exceptions?

**Output = RAISE**

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

**Output=datetime**

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

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

**Output = 208**

8)Which of the following functions converts date to corresponding time in Python?

**Output = striptme**

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

**Output = 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.

**Output = range**

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

**Output = lambda fuction**

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

**Output =** Serializing and 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?

**Output = dump()method**

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

**Output = load()**

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

**Output=Alphabets, Numbers & Special symbols**

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

**Output =A) for ship, captain in captains.items():**

**print(ship, captain)**

**B)for ship in captains:**

**print(ship, captains[ship])**

|  |
| --- |
| captains |

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

**Output = 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?

**Output = captains = {**

**"Enterprise": "Picard",**

**"Voyager": "Janeway",**

**"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?

**Output =** for captain, ship 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",

}

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

What statement will remove the entry for the key ?

**Output = del captains["Discovery"]**