

- 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 – d) 0

- ```
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

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

Answer – a) Tuple

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

Answer – d) Error

- What keyword is used in Python to raise exceptions?

Answer – a) Raise

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

Answer – c) datetime

- What will be the output of the following code snippet?

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

Answer – c) 208

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

Answer – a) strptime

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

Answer – b) immutable

- 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()

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

Answer – C. Lambda function

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

**Answer – C.Both A and B**

- A. Serializing Python object structure
- B. De-serializing Python object structure

- Amongst which of the following is / are the method of convert Python objects for writing data in

Answer – B. dump() method

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

Answer – A. load()

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

Answer –

D. All the mentioned above

- 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

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

Answer – d) captains = {}

- 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"
```

- 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}.")
```

- 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"]`