

Flip Robo Technologies

MCQ (questions and their answer)

NAME: Bijay Pareek

Batch: DS2308

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))
```

- a. 10
- b. 20
- c. 15
- d. 0

Answer 1: c. 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))

- a. int
- b. filter
- c. list
- d. tuple

Answer2: b. filter

3. As what datatype are the *args stored, when passed into
- a. Tuple
 - b. List
 - c. Dictionary
 - d. None

Answer 3: a. Tuple

4. set1 = {14, 3, 55}
set2 = {82, 49, 62}

```
set3= {99, 22, 17}  
print(len(set1 + set2 + set3))
```

- a. 105
- b. 270
- c. 0
- d. Error

Answer 4: d. Error

5. What keyword is used in Python to raise exceptions?
- a. Raise
 - b. Try
 - c. Goto
 - d. Except

Answer 5: a. Raise

6. Which of the following modules need to be imported to handle date time computations in Python?
- a. Timedate
 - b. Date
 - c. Datetime
 - d. Time

Answer 6: c. datetime

7. What will be the output of the following code snippet?
Print (4**3 + (7 + 5)**(1 + 1))
- a. 248
 - b. 169
 - c. 208
 - d. 233

Answer 7: c. 208

8. Which of the following functions converts date to corresponding time in Python?
- a. Strptime
 - b. Strftime
 - c. both a) and b)
 - d. None

Answer 8: C. Both a) and b)

9. The python tuple is _____ in nature?
- a. Mutable
 - b. Immutable
 - c. Unchangeable
 - d. None

Answer 9. B. 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.
- a. Range()
 - b. Set()
 - c. Dictionary{}
 - d. None of the above mentioned

Answer 10. A. range

11. Amongst which of the following is a function which does not have any name?
- a. Del function
 - b. Show function
 - c. Lamda function
 - d. None of the above mentioned

Answer11 : c. Lamda function

12. The module Pickle is used to ____.
- a. Serializing Python object structure
 - b. De-serializing Python object structure
 - c. Both A and B
 - d. None of the mentioned above

Answer 12: c. Both A and B

13. Amongst which of the following is / are the method of convert Python objects for writing data in a binary file?
- a. set() method
 - b. dump() method
 - c. load() method
 - d. None of the mentioned above

Answer 13: b. dump () method

14. Amongst which of the following is / are the method used to unpickling data from a binary file?
- a. load()
 - b. set() method
 - c. dump() method

- d. None of the above mentioned

Answer14: a. load()

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

- a. Alphabets
- b. Numbers
- c. Special symbols
- d. All of the mentioned above

Answer15: d. all of the mentioned above.

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
```

- a.

```
for ship, captain in captains. Items():  
    print(ship, captain)
```
- b.

```
for ship in captains:  
    print (ship, captains [ship])
```
- c.

```
for ship in captains:  
    print(ship, captains)
```
- d. both a and b

answer16: B. for ship in captains:

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

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

- a.

```
captains = {dict}
```
- b.

```
type(captains)
```
- c.

```
captains.dict()
```
- d.

```
captains = {}
```

answer17: d. 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?

- a.

```
captains{"Enterprise" = "Picard"}
captains{"Voyager" = "Janeway"}
captains{"Defiant" = "Sisko"}
```
- b.

```
captains["Enterprise"] = "Picard"
captains["Voyager"] = "Janeway"
captains["Defiant"] = "Sisko"
```
- c.

```
captains = { "Enterprise": "Picard",
            "Voyager": "Janeway",
            "Defiant": "Sisko",
            }
```
- d. None of the above

Answer18: c

```
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?

- a.

```
for item in captains.items():
    Print(f"The [ship] is captained by [captain].")
```
- b.

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

- c. `for captain, ship in captains.items():`
`print (f"The {ship} is captained by {captain}.")`
- d. All are correct

Answer19: b. `for ship, captain 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",  
}
```

What statement will remove the entry for the key "Discovery"?

- a. `del captains`
- b. `captains.remove()`
- c. `del captains["Discovery"]`
- d. `captains["Discovery"].pop()`

answer20: c. `del captains["Discovery"]`

—