

## FLIP ROBO Technologies

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- BATCH NUMBER:DS2307
- NAME OF PROJECT:MCQ
- PROJECT1:

Q1. 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:** 15

Q2. 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

**ANSWER:** FILTER

Q3. As what datatype are the \*args stored, when passed into

- a) Tuple

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- b) List
- c) Dictionary
- d) none

**ANSWER:** TUPLE

Q4. `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:** Error(bcoz addition symbol is not used is SET)

Q5. What keyword is used in Python to raise exceptions?

- a) raise
- b) try
- c) goto
- d) except

**ANSWER:** RAISE

Q6. 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:** DATETIME

Q7. What will be the output of the following code snippet?

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

- a) 248
- b) 169
- c) 208
- d) 233

**ANSWER:** 208

Q8. Which of the following functions converts date to corresponding time in Python?

- a) strptime
- b) strftime
- c) both a) and b)
- d) None

**ANSWER:** Strftime

Q9. The python tuple is \_\_\_\_\_ in nature.

- a) mutable
- b) immutable
- c) unchangeable
- d) none

**ANSWER:** immutable

Q10. 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 mentioned above

**ANSWER:** Range

Q11. Amongst which of the following is a function which does not have any name?

- A. Del function

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- B. Show function
- C. Lambda function
- D. None of the mentioned above

**ANSWER:** Lambda functions

Q12. 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:** Both A and B

Q13. 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:** dump() method

Q14. 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 mentioned above

**ANSWER:** load()

Q15. A text file contains only textual information consisting of \_\_\_\_.

- A. Alphabets
- B. Numbers
- C. Special symbols
- D. All of the mentioned above

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**ANSWER:** . All of the mentioned above

**Q16. 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

**ANSWER:** both a and b

**Q17. 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 = {}`

**ANSWER:** `captains = {}`

**Q18. 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"}`

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```
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

**ANSWER:** `captains = {`

```
    "Enterprise": "Picard",
```

```
    "Voyager": "Janeway",
```

```
    "Defiant": "Sisko",
```

**Q19.** 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}.")
```

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d) All are correct

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

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

**Q20.** 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()

**ANSWER:** c) del captains["Discovery"]

# THE END