

Answer File || Fliprobo - Internship || Task -1 || MCQ'S

Ans.1

As per the question condition,
a == 30 and b == 75 ; which means a != 0
Hence we will execute the else part of this function
Which is b % a , a
75 % 30, 30
15,30

So, the answer to this question is option "c"

Ans.2

```
2 numbers = (4, 7, 19, 2, 89, 45, 72, 22) # "numbers" containing tuples
sorted_numbers = sorted(numbers)         # numbers sorted = (2, 4, 7, 19, 22, 45, 72, 89)
even = lambda a: a % 2 == 0              # Filter outs even numbers in this tuple using lambda function
even_numbers = filter(even, sorted_numbers) # filter returns iterable numbers which can be seen as list named "even_numbers"
```

So, the answer to this question is option "b"

Ans.3

Arg* when passed are stored as "Tuple"

So, the answer to this question is option "a"

Ans. 4

This program when executed will throw an error because the '+' operator is not supported for execution of sets. We can use the union method or the '|' operator to combine the sets

So, the answer to this question is option "d"

Ans. 5

"raise" keyword in Python is used to raise exceptions.

So, the answer to this question is option "a"

Ans. 6

"datetime" modules need to be imported to handle date time computations in Python.

So, the answer to this question is option “c”

Ans. 7

According to question condition,
Equation = $4^{**3} + (7 + 5)^{**}(1+1)$
 $= 4 \times 4 \times 4 + (12)^{**}(2)$
 $= 64 + 12 \times 12$
 $= 64 + 144$
 $= 208$

So, the answer to this question is option “c”

Ans. 8

“Strptime” functions converts date to corresponding time in Python.

So, the answer to this question is option “a”

Ans. 9

The python tuple is “immutable” in nature.

So, the answer to this question is option “b”

Ans. 10

The “range()” is a built-in function that returns a range object that consists series of integer numbers, which we can iterate using a for loop.

So, the answer to this question is option “a”

Ans. 11

Lambda Function does not have any name and it can be used to define any anonymous function.

So, the answer to this question is option “c”

Ans. 12

Pickling module is useful in converting object hierarchy from a binary file into a byte stream and Depickling is inverse operation of the above. Hence pickle module can do both serializing and deserializing object structure.

So, the answer to this question is option “c”

Ans. 13

To serialize an object hierarchy, you call the “dumps()” function.

So, the answer to this question is option “b”.

Ans. 14

To deserialize an object hierarchy, you call the “load()” function.

So, the answer to this question is option “a”.

Ans. 15

A text file contains only textual information consisting of alphabets, numbers, special symbols etc.

So, the answer to this question is option “d”.

Ans. 15

both “a” and “b” options will give output:

Enterprise Picard, Voyager Janeway Defiant Sisko

So, the answer to this question is option “d”.

Ans. 16

both “a” and “b” options will give output:

Enterprise Picard, Voyager Janeway Defiant Sisko

So, the answer to this question is option “d”.

Ans. 17

Captains = {} here, {} creates empty dictionary named as captains

So, the answer to this question is option “d”.

Ans. 18

captains["Enterprise"] = "Picard" captains["Voyager"] = "Janeway" captains["Defiant"]
="Sisko"

So, the answer to this question is option “b”.

Ans. 19

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

Output: The Enterprise is captained by Picard.
The Voyager is captained by Janeway.
The Defiant is captained by Sisko.
The Discovery is captained by unknown

So, the answer to this question is option "b".

Ans. 20

This code snippet when executed - `del captains["Discovery"]`
this statement will remove the entry for the key "Discovery" from the captains dictionary.

So, the answer to this question is option "c".

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