D1—1

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Batch DS2304

## **DEVESH VERMA**

```
def func(a, b):
   return b if a == 0 else func(b % a, a)
  print(func(30, 75))
                                                                   ans-1: c
     a) 10
     b) 20
     c) 15
     d) 0
 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))
                                                                   ans-2: b
    a) Int
    b) Filter
    c) List
    d) Tuple
 3) As what datatype are the *args stored, when passed into
 a) Tuple
 b) List
 c) Dictionary
                                                                   ans -3: a
 d) none
4) set1 = \{14, 3, 55\}
set2 = \{82, 49, 62\}
set3={99,22,17}
print(len(set1 + set2 + set3))
                                                                   ans-4: d
 a) 105
 b) 270
 c) 0
```

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

d) Error

5) What keyword is used in Python to raise exceptions?							
a) raise							
b) try		ans-5: a	anc-51 a				
c) goto		alis-J. a	<mark>); a</mark>				
d) except							
6) Which of Python?	the following modules	need to be imported to handle date time computations in					
a) timedate							
b) date							
c) datetime		ans-6: c	ans-6: c				
d) time	II he the output of the	following and animat?					
7) What wi	+ (7 + 5)**(1 + 1)) 8 9	e following code snippet?  ans-7: c					

A. B. C. D. Quest	Del function Show function Lambda function None of the mentioned above  ion 12  nodule Pickle is used to  Serializing Python object structure De-serializing Python object structure Both A and B	ans-11: c ans-12: c		
A. B. C. D.	Show function Lambda function None of the mentioned above	ans-11: c		
A. B. C. D.	Show function Lambda function None of the mentioned above	ans-11: c		
A. B. C.	Show function Lambda function	ans-11: c		
A. B. C.	Show function Lambda function	<mark>ans-11: c</mark>		
A.		ans-11· c		
Among				
Questi	on 11 gst which of the following is a function which doe	s not have any name?		
D.	None of the mentioned above			
C.	dictionary{}			
	range() set()	<mark>ans-10: a</mark>		
we can	_ is a built-in function that returns a range object the iterate using a for loop.			
10)				
d) no	one			
c)un	changeable			
	mutable	ans-9: b		
b)im				
	utable			

## Question 13

Amongst which of the	following is / are the	e method of convert	Python objects	for writing d	lata in
a binary file?					

- A. set() method
- B. dump() method
- C. load() method
- D. None of the mentioned above

ans-13: b

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 mentioned above

<mark>ans-14: a</mark>

15.

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

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

ans-15: d

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 ans-16: d 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 17)

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

```
a) captains = {dict}
```

<mark>ans-17: d</mark>

- b) type(captains)
- c) captains.dict()
- 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",
```

ans-18: b

d) None of the above

"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(): ans-19: b 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 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", ans-20: c "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()