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))

1. 10 b)
2. 20 c)
3. 15 d) 0

**Answer:** c) 15

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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))

1. Int
2. Filter
3. List
4. Tuple

**Answer:** b) Filter

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

a) Tuple  
b) List  
c) Dictionary

d) none

**Answer:** a) Tuple

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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:** d)Error

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5) What keyword is used in Python to raise exceptions?

a) raise  
b) try  
c) goto

d) except

**Answer:** a) raise

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6) Which of the following modules need to be imported to handle date time computations in

page2image22378176Python?

1. a)  timedate
2. b)  date
3. c)  datetime
4. d)  time

**Answer:** 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:** 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:** b) strftime

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9) The python tuple is \_\_\_\_\_ in nature.

a) mutable  
b)immutable

**Answer:** 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.

1. range()
2. . set()
3. dictionary{}
4. Noneofthementionedabove

**Answer:** A) range()

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Question 11  
Amongst which of the following is a function which does not have any name?

1. Delfunction
2. Show function
3. Lambda function
4. Noneofthementionedabove

**Answer:** Lamda function

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Question 12

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

1. SerializingPythonobjectstructure
2. De-serializing Python object structure
3. BothAandB
4. Noneofthementionedabove

**Answer:** Both A and B

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Question 13

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

1. set()method
2. dump() method
3. load() method
4. Noneofthementionedabove

**Answer**: dump() method

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14

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

1. load()
2. set() method
3. dump() method
4. Noneofthementionedabove

**Answer:** set() method

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15.

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

1. Alphabets
2. Numbers
3. Special symbols
4. Allofthementionedabove

**Answer:** All of the mention above

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16

captains = { "Enterprise": "Picard", "Voyager": "Janeway", "Defiant": "Sisko",

}

...) below to get the following output? (Select all that

page4image22386496

Which Python code could replace the ellipsis (

page4image22388032

apply.)

Enterprise Picard, Voyager Janeway Defiant Sisko

a)

b)

c)

for ship, captain in captains.items(): print(ship, captain)

for ship in captains: print(ship, captains[ship])

for ship in captains:

**Answer**: both a and b

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17)

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

page5image22530112

captains = {dict}

page5image22530688

type(captains)

page5image22543168

captains.dict()

page5image22531072

captains = {}

**Answer:** d) captains={}

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18) Now you have your empty dictionary named . 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 dictionary?

captains

captains

a) captains{"Enterprise" = "Picard"} captains{"Voyager" = "Janeway"} captains{"Defiant" = "Sisko"}

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

c)

} d)

captains = { "Enterprise": "Picard", "Voyager": "Janeway", "Defiant": "Sisko",

None of the above

captains = {  
"Enterprise": "Picard", "Voyager": "Janeway", "Defiant": "Sisko", "Discovery": "unknown",

**Answer:** c

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19 ) You’re really building out the Federation Starfleet now! Here’s what you have:

}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)

b)

c)

d)

a for

for item in captains.items():  
print(f"The [ship] is captained by [captain].")

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

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

All are correct

**Answer: a**

20 )

page6image22081728

You’ve created a dictionary, added data, checked for the existence of keys, and iterated over it with

page6image22075776

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" |
|  |  |

\_

1. Del captains
2. Captains.remove()
3. Del captains["Discovery”]
4. Captains[“Discovery”].pop()page7image22520256

Answer: D