

Python for Data Science

Q1 Which method is used to remove the entire dictionary?

- (A) pop() (B) delete()
(C) delete_all() (D) clear()

Q2 The output of below Python Code is _____

```
List=[10,20,[30,40,[50,60,70,
[80,90],100],110],120]
print(List[2][2][3][1])
```

Q3 What is printed by below Code?

```
X=[11,55,66,111,222]
X[2]=[22,33,44]
X[3:4]=[22,33,44]
print(X)
(A) [11, 55, [22, 33, 44], [77, 88, 99], 222]
(B) [11, 55, [22, 33, 44], 77, 88, 99, 222]
(C) [11, 55, 22, 33, 44, 77, 88, 99, 222]
(D) [11, 55, 22, 33, 44, [77, 88, 99], 222]
```

Q4 The final count value is _____

```
X=(11,22,33,44,55)
Y=X[:-2]
Z=Y[1:]
a=len(Y) + len(Z)
count=1
for i in range(a):
count+=i
```

Q5 The 'b' value printed by below code segment is _____

```
a={11,22,33,44,22,44,33,44}
b=1
for i in a:
b*=2
print(b)
(A) 4 (B) 8
(C) 16 (D) 32
```

Q6 What will be length of below dictionary X?

```
X={'a':{'b':{'c':1,'d':2,'e':3}}}
```

(A) 1 (B) 2

(C) 3 (D) 5

Q7 What is printed by below code?

```
a={'Red','Black','Orange'}
b={'Orange','Blue','Yellow'}
c={'Yellow','Black','White'}
x=len(a-b)
y=len(b^c)
z=len(c&a)
print(x+y+z)
(A) 6 (B) 7
(C) 8 (D) 9
```

Q8 Identify Incorrect Statement(s) from below:

- (A) Tuples are Ordered Mutable Collection
(B) Lists are Unordered Mutable Collection
(C) Sets are Ordered Immutable Collection
(D) Dictionaries are Ordered mutable Collection

Q9 Output Printed by below Code is _____

```
Set1={2,4,6,8,10}
Set2={1,2,3,4,5}
Set3={1,3,5,7,9,1,5}
s1=Set1 & Set2
s2=Set2 | Set3
x=len(Set3)
for i in s1:
for j in s2:
x=x+1
print(x)
(A) 13 (B) 19
(C) 23 (D) 29
```

Q10 The number of times print statement is executed is _____

```
s1={5,7,9,7,5}
s2={3,5,7,5,3}
s3={1,2,3,4,5}
for i in range(len(s1.difference(s3))):
```



```
for j in range(len(s3.union(s2))):  
    print("Hi")
```

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Answer Key

Q1 D
Q2 90
Q3 B
Q4 11
Q5 C

Q6 A
Q7 B
Q8 A,B,C
Q9 B
Q10 12



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Hints & Solutions

Note: scan the QR code to watch video solution

Q1 Text Solution:

D

Q2 Text Solution:

90

Q3 Text Solution:

B

Q4 Text Solution:

11

Q5 Text Solution:

C

Q6 Text Solution:

A

Q7 Text Solution:

B

Q8 Text Solution:

A/B/C

Q9 Text Solution:

B



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