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Question 1: **Incorrect**

**You are developing a python application for your company.**

**A list named employees contains 500 employee names,the last 3 being company management. Which of the following  represents only management employees.**

* ​

employees[497:500]

* ​

employees[-3:]

* ​

employees[497:]

**(Incorrect)**

* ​

All the above

**(Correct)**

**Explanation**

list[begin:end] returns list of elements from begin index to end-1 index default value for begin is: 0

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Question 10: **Incorrect**

**Consider the python code**

1. **a=1**
2. **b=3**
3. **c=5**
4. **d=7**

**In Which of the following cases the result value is 0?**

* ​

result = a%b-1

**(Correct)**

* ​

result = a+b\*2

* ​

result = a-b//d

**(Incorrect)**

* ​

result = a\*\*d-1

**(Correct)**

**Explanation**

a+b\*2--->7  
a%b-1-->0  
a-b//d--->1  
a\*\*d-1--->0

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Question 20: **Incorrect**

**Consider the following code**

1. **x= 'Durga'**
2. **y= 'Durga'**
3. **result=condition**
4. **print(result)**

**For which of the following condition True will be printed to the console?**

* ​

x != y

* ​

x < y

* ​

x is y

**(Correct)**

* ​

x is not y

**(Incorrect)**

**Explanation**

Both x and y pointing to the same object.  
Hence 'x is y' returns True. Except that all remaining cases returns False.  
x is y==>True  
x is not y===>False  
x != y==>False  
x < y===>False

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Question 22: **Incorrect**

**Consider the python code**

1. **numbers=[10,20,30,40]**
2. **x=0**

**In which of the following cases 10 will be printed to the console?**

* ​
  1. for i in (30,40,50):
  2. if i in numbers:
  3. x=x+5
  4. print(x)

**(Correct)**

* ​
  1. for i in (30,40,50):
  2. if i not in numbers:
  3. x=x+10
  4. print(x)

**(Correct)**

* ​
  1. for i in (30,40,50):
  2. if i not in numbers:
  3. x=x+5
  4. print(x)

**(Incorrect)**

* ​
  1. for i in (30,40,50):
  2. if i in numbers:
  3. x=x+10
  4. print(x)

**Explanation**

for i in (30,40,50):  
if i in numbers:  
x=x+5  
print(x) #10  
----------------------------  
for i in (30,40,50):  
if i not in numbers:  
x=x+5  
print(x)#5  
----------------------  
for i in (30,40,50):  
if i not in numbers:  
x=x+10  
print(x)#10  
--------------------------  
for i in (30,40,50):  
if i in numbers:  
x=x+10  
print(x) #20

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Question 23: **Incorrect**

**Consider the code:**

**a=21**

**b=6**

**print(a/b)**

**print(a//b)**

**print(a%b)**

**What is the result?**

* ​

3

3

3

* ​

3.5

3.5

3

* ​

3.0

3

3

**(Incorrect)**

* ​

3.5

3

3

**(Correct)**

**Explanation**

division operator in python always meant for floating point arithmetic. Hence a/b returns 3.5 But floor division(//) operator can perform both integral and floating point arithmetic. If the arguments are int type then the result is int type and if the arguments are float type then the result is float type. Hence a//b returns 3. a%b returns the remainder which is 3.

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Question 25: **Incorrect**

**You have the following code:**

1. **a=bool([False])**
2. **b=bool(3)**
3. **c=bool("")**
4. **d=bool(' ')**

**Which of the variables will represent False:**

* ​

c

**(Correct)**

* ​

a

* ​

d

* ​

b

**(Incorrect)**

**Explanation**

For Empty String, Empty List,Empty tuple,Empty set,Empty dict and range(0) arguments bool() function returns False.  
c=bool("")  
As the argument is empty string, it represents False.

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Question 27: **Incorrect**

**Consider the code:**

1. **s='Python is easy'**
2. **s1=s[6:-4]**
3. **#Line-1**
4. **print(len(s2))**

**To print 2 as output,which code we have to insert at Line-1**

* ​

s2 = s1.rstrip()

* ​

s2 = s1.lstrip()

**(Incorrect)**

* ​

s2 = s1.lrstrip()

* ​

s2 = s1.strip()

**(Correct)**

**Explanation**

strip()==>It will remove spaces present at left and right sides of the string  
lstrip()==>It will remove spaces present at only left side of the string  
rstrip()==>It will remove spaces present at only right side of the string  
There is no method like lrstrip().  
s2 = s1.lrstrip()  
AttributeError: 'str' object has no attribute 'lrstrip'

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Question 30: **Incorrect**

**You are developing a python application for your company.**

**A list named employees contains 600 employee names,the last 3 being company management.  You need to slice employees to display all employees excluding management. Which two code segments we should use?**

* ​

employees[0:-2]

**(Incorrect)**

* ​

employees[:-3]

**(Correct)**

* ​

employees[0:-3]

**(Correct)**

* ​

employees[1:-2]

* ​

employees[1:-3]

**Explanation**

list[begin:end] returns list of elements from begin index to end-1 index default value for begin is: 0

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Question 38: **Incorrect**

1. **a=bool(0)**
2. **b=bool(3)**
3. **c=bool(0.5)**
4. **d=bool(0.0)**

**Which variables represent True?**

* ​

d,a

* ​

b,c

**(Correct)**

* ​

a,b

* ​

c,d

* ​

All Variables

**(Incorrect)**

**Explanation**

In the case of integral values 0 treated as False and non-zero treated as True. In the case of float values 0.0 treated as False and all other values (non-zero values) treated as True

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Question 39: **Incorrect**

**Consider the following expression**

**result=8//6%5+2\*\*3-2**

**print(result)**

**What is the result?**

* ​

8

* ​

9

* ​

7

**(Correct)**

* ​

6

**(Incorrect)**

**Explanation**

2\*\*3=8  
8//6=1  
result=1%5+8-2=1+8-2=9-2=7

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Question 40: **Incorrect**

**You are developing a python application for your company.**

**A list named employees contains 500 employee names.**

**In which cases we will get IndexError while accessing employee data?**

* ​

employees[0:501]

* ​

None of the above

**(Correct)**

* ​

employees[-10:10]

* ​

employees[1:1000]

**(Incorrect)**

**Explanation**

Slice Operator never raises IndexError

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