

Week 1 Assessment

Total points 26/30 ?

Assignment on Python Basics
Week - 1

Email address *

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✓ If a list lst = [1,5,3,9,2,0,5,7,3,4,8,1,3,0,8] is created. Which of below can be used to retrieve the unique elements from the list? * 1/1

- ☒ set
- ☐ list
- ☐ tuple
- ☐ dictionary



✗ How is a doc String represented in Python? * 0/1

- ☒ All of the above
- ☐ """
- ☐ "
- ☐ ''



Correct answer

- ☒ """



Mobile Number *

9391446758

✓ What will the print statement print? *

1/1

```
def append_list(items= []):  
    items.append (1)  
    return items  
  
print (append_list())  
print (append_list())
```

- ☐ [1] [1,0]
- ☒ [1] [1,1]
- ☐ [1]
- ☐ [1,1]



✓ Series is a one-dimensional labeled array capable of holding any data type. *

1/1

- ☒ True
- ☐ False



✓ Output of the following snippet *

1/1

```
a = [1,2,3,4,5,6,7,8,9]
a[::2] = 10,20,30,40,50,60
print(a)
```

- ☐ TypeError
- ☒ ValueError
- ☐ [1,2,3,4,5,6,7,8,9]
- ☐ Slice cannot be re-assigned



✓ Guess how these functions work *

1/1

```
def multipliers():
    return [lambda x : i * x for i in range(4)]

for m in multipliers():
    print(m(2))
```

- ☐ 4 4 4 4
- ☐ 3 4 5 6
- ☐ 2 2 2 2
- ☒ 6 6 6 6



✓ Output of the code snippet *

1/1

```
def div1(x,y):  
    return x/y  
  
def div2(x,y):  
    return x//y  
  
a = div1(5,2)  
b = div1(5.,2)  
c = div2(5,2)  
d = div2(5.,2.)  
print(a+b)
```

- ☒ 5
- ☐ 4.5
- ☐ ValueError
- ☐ 4



✗ Output of the print statement *

0/1

```
b = 10  
print(b**2)  
a = [1,2,3,4,5]  
print(a**2)
```

- ☐ Option 1
- ☐ 100
- ☒ TypeError
- ☐ 100 TypeError



Correct answer

- ☒ 100 TypeError



✓ Output of the following Statements *

1/1

```
str = "Python is my favourite programming language"  
print(str[:11:2])
```

- ☐ Pto sm a ort pormignug
- ☒ Pto sm
- ☐ language
- ☐ Python is



✓ What is printed on the console? *

1/1

```
def abc():  
    a = 10  
    print(a)  
  
#main block  
a=5  
abc()  
print(a)
```

- ☒ 10 5
- ☐ 10 10
- ☐ 5 10
- ☐ 5 5



✓ What will be the output of the following program? *

1/1

```
tuple = (1, 2, 3, 4)
tuple.append( (5, 6, 7) )
print(len(my_tuple))
```

- ☐ 1
- ☐ 2
- ☐ 5
- ☒ Error
- ☐ None



✓ What will the print statement print *

1/1

```
str = "SmartBridge"
print(str[:3]+str[3:-4]+str[-4:11])
```

- ☐ SmatBridge
- ☐ SmatBrige
- ☐ SmrtBrdge
- ☒ SmartBridge



✓ What will be the output if a = 10 and b= 12 , then '(a<15) and (b>10)' = * 1/1

- ☒ True
- ☐ False
- ☐ Error
- ☐ None of the above



✓ John considers a list containing 34, 56, 71, 89, 21. John desires to rearrange the list values in random order. Help John with a suitable method. * 1/1

- ☒ random.shuffle()
- ☐ random()
- ☐ random.rand()
- ☐ shuffle()



✓ Which of the following is Mutable * 1/1

- ☐ Dictionary
- ☐ List
- ☐ Tuple
- ☒ Both Dictionary and List



✓ What is the output of the following? *

1/1

```
l = [3,0,8,1,12,8,9,2,13,10]
x = ++l[2]
y = l[2]++
z = l[x++]
print(x,y,z)
```

- ☐ 9 10 9
- ☐ 9 9 10
- ☐ 10 9 10
- ☒ SyntaxError



Batch *

- ☒ Career Basic (Slot 3)

✗ If a is a dictionary with some key-value pairs, what does a.popitem() do? 0/1 *

- ☐ Invalid method for dictionary
- ☐ Removes all the key-value pairs
- ☒ Removes the key-value pair for the key given as an argument
- ☐ Removes an arbitrary element



Correct answer

- ☒ Removes an arbitrary element



✓ Numpy array cannot be converted into a list. *

1/1

☐ True

☒ False



✓ If a={5,6,7,8}, which of the following statements is false? *

1/1

☒ a[2]=45

☐ print(min(a))

☐ a.remove(5)

☐ print(len(a))



✓ What is the use of zeros function in numpy? *

1/1

☒ To make a Matrix with all element 0

☐ To make a Matrix with all diagonal element 0

☐ To make a Matrix with first row 0

☐ None



✓ Method used to change the shape of a numpy array? *

1/1

- ☐ shape()
- ☒ reshape()
- ☐ size()
- ☐ Other



✓ Interpreter response for the code snippet below *

1/1

```
s = 0
for d in range(0,5,0.1):
....s+=d
....print(s)|
```

- ☒ Error
- ☐ 0 0.2 0.4 0.6 0.8 1.0
- ☐ 10.4
- ☐ 3



Name *

Srinivas Rahul Sapireddy



✓ Which method returns an array with the same elements but different shape? *

1/1

- ☐ shape()
- ☒ reshape()
- ☐ resize()
- ☐ size()



✗ What will the function call return? *

0/1

```
l = [[[1,2],[3,4]],[[5,6],[7,8]]]
def fun(m):
    v = m[0][0]
    for i in m:
        for element in i:
            if(v < element): v = element
    return v
print(fun(l[0]))
```

- ☐ 7
- ☐ 4
- ☒ 8
- ☐ 2



Correct answer

- ☒ 4



✓ What is the output of the expression: $3*1**3$ *

1/1

- ☐ 9
- ☒ 3
- ☐ 1
- ☐ 27



✓ What is called when a function is defined inside a class? *

1/1

- ☒ Method
- ☐ Class
- ☐ Function
- ☐ Module



✓ Find the right output *

1/1

```
def printLine(text):  
    print(text, 'is awesome.')  
printLine('Python')
```

- ☐ Pythonis awesome.
- ☐ Pythonis awesome
- ☒ Python is awesome.
- ☐ Python is awesome



✓ Guess the output *

1/1

```
result = lambda x: x*x  
print(result(5))
```

- ☐ 5
- ☐ 20
- ☐ 4
- ☒ 25

✓

✓ Which of the following will a dataframe accept as input *

1/1

- ☐ Series
- ☐ Another dataframe
- ☐ nd array
- ☐ None of the above
- ☒ All of the above

✓



✓ What is the output of the following code snippet? *

1/1

```
arr = [[1,2,3,4],  
       [4,5,6,7],  
       [8,9,10,11],  
       [12,13,13,15]]  
for i in range(0,4):  
    print(arr[i].pop())
```

- ☐ 1 4 8 12
- ☒ 4 7 11 15
- ☐ None of the above
- ☐ 1 2 3 4



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