Started on	Friday, February 10, 2023, 6:26 PM
State	Finished
Completed on	Friday, February 10, 2023, 6:42 PM
Time taken	15 mins 37 secs
Points	11.00/11.00
Grade	**100.00** out of 100.00

Question **1**

Correct

1.00 points out of 1.00

After executing the following code, which statement will cause 23 to be printed?

```
def f(x):
    return x(3)

def g(x):
    return x + 20
```

Select one:

○ `print(f(g(1)))`

◉ `print(f(g))` ✔

○ `print(g(f))`

○ `print(f(x)+g(x))`

Your answer is correct.

The correct answer is: `print(f(g))`

What does the following code print?

```
accumulator = 0
'''
accumulator += 1
'''
print(accumulator ** 100)
```

Select one:

- ○ 1
- ○ An error message
- ○ -1
- ◉ 0✔
- ○ 100

Your answer is correct.

The correct answer is: 0

After executing the following code, which statement will be correct?

```
i = 1
j = 2

def swap(x, y):
    return y, x

i, j = swap(i, j)
i, j = swap(i, j)
```

Select one:

- ○ Both i and j will have the value 2.
- ○ Both i and j will be undefined.
- ○ i will have the value 2 and j will have the value 1.
- ○ Both i and j will have the value 1.
- ◉ i will have the value 1 and j will have the value 2. ✔

Your answer is correct.

The correct answer is: i will have the value 1 and j will have the value 2.

What does the following code print?

```
x = 0
for i in range(4):
    # x = 2
    if (i == x):
        print(i)
```

Select one:

- ◉ 0✔
- ○ 2
- ○ Nothing
- ○ 3
- ○ 1

Your answer is correct.

The correct answer is: 0

In Python, the meaning of a line of code can depend on how much whitespace precedes the first non-whitespace character.

Select one:

- ◉ True ✔
- ○ False

The correct answer is 'True'.

What must *y* be for the following expression to evaluate to 16?

```
[x**2 for x in range(10)][y]
```

Answer: 4   ✔

The correct answer is: 4

What does the following code print?

```
def f(x, y=2):
    return x + y

print(f(2))
```

Select one:

- ○   An error message
- ○   6
- ○   0
- ○   2
- ◉   4 ✔

Your answer is correct.

The correct answer is: 4

Which of the items below, if substituted for the "_", will cause the following code to print `free`?

```
associations = {'fun' : 'dictionary', 3 : 'free', 'radish' : 3.14}
stuff = ["eggplant", "dictionary", "fun", 4.13, 2]
print(associations[stuff[_]+1])
```

Select one:

- ○ `1:`

- ○ `-1:`

- ○ `'dictionary'`

- ○ `:1`

- ○ `"dictionary"`

- ○ `:-1`

- ○ `0`

- ⦿ `-1` ✔

Your answer is correct.

The correct answer is: `-1`

Which of the descriptions below describes what the following code does, assuming that `nums` is a list of integers?

```
for i in nums:
    if i % 2:
        print(i)
```

Select one:

○ Prints all of the even numbers in `nums`.

○ Prints the results of dividing each of the numbers in `nums` by `2`, using floating-point division.

○ Causes an error message to be printed.

○ Prints all of the items in `nums`, in reverse order.

○ Runs forever in an infinite loop, repeatedly printing the first item in `nums`.

○ Prints the results of dividing each of the numbers in `nums` by `2`, using integer division.

○ Runs forever in an infinite loop, printing nothing.

○ Prints all of the items in `nums`.

○ Prints `0`.

○ Prints `2`.

○ Runs forever in an infinite loop, repeatedly printing `2`.

◉ Prints all of the odd numbers in `nums`. ✔

○ Runs forever in an infinite loop, repeatedly printing `0`.

○ Runs forever in an infinite loop, repeatedly printing `1`.

Your answer is correct.

The correct answer is: Prints all of the odd numbers in `nums`.

Which operator, when used in place of the _ in the following code, will cause it to print 1?

```
print(6 _ 4)
```

Select one:

- ○ / -
- ○ %
- ○ /
- ⦿ // ✔
- ○ *

Your answer is correct.

The correct answer is: //

Which of the choices below, if inserted between the `[` and the `]` in the following code, will cause it to print `['yellow', 'green']`?

```
colors = ['red', 'orange', 'yellow', 'green', 'blue', 'indigo', 'violet']
print(colors[   ])
```

Select one:

- 2,4
- 3][2
- 3,2
- 3:4
- 3;2
- 3;4
- 2,2
- 2:2
- 3:2
- 2][4
- ● 2:4 ✔
- 2][2
- 2;4
- 2;2
- 3,4
- 3][4

Your answer is correct.

The correct answer is: 2:4

◄ Pat Langley's 1996 "Tutorial on Machine Learning" presentation slides

Jump to...

First Python Assignment ►