Python Conditional - nested - 20 Questions

Total points   19/20   ?

Total 20 questions for 1 mark each

0 of 0 points

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20 Question - 20 minutes   19 of 20 points

Each question hold 1 Marks each

1. What will be the output of this code? *   1/1

```
x = 25
y = 10
if x == 25 and y != 10:
    print("A")
elif x == 25 and y == 10:
    print("B")
elif x != 25 and y == 10:
    print("C")
else:
    print("D")
```

- ○ A
- ● B ✓
- ○ C
- ○ None of the above

2. What will be the output of this code? *   1/1

```
x = 25
y = 10
if x == 25 and y != 10:
    print("A")
elif x == 25 and y == 10:
    print("B")
elif x != 25 and y == 10:
    print("C")
else:
    print("D")
```

- ○ A
- ● B ✓
- ○ C
- ○ D

✓ 3. What will be the output of this code? * 1/1

```
x = 15
if x % 5 == 0 and x % 3 == 0:
    print("Divisible by both 5 and 3")
elif x % 5 == 0:
    print("Divisible by 5")
elif x % 3 == 0:
    print("Divisible by 3")
else:
    print("Not divisible by 5 or 3")
```

- ⦿ Divisible by both 5 and 3 ✓
- ◯ Divisible by 5
- ◯ Divisible by 3
- ◯ Not divisible by 5 or 3

✓ **4. What will be the output of this code?** * 1/1

```
x = 18
y = 10
if x > y:
    if x % 2 == 0:
        print("X is even and greater than Y")
    else:
        print("X is odd and greater than Y")
else:
    print("Y is greater than or equal to X")
```

- ⦿ X is even and greater than Y ✓
- ◯ X is odd and greater than Y
- ◯ Y is greater than or equal to X
- ◯ Error

✓ **5. What will be the output of this code?** * 1/1

```
x = -10
y = -5
if x < 0 and y < 0:
    if x < y:
        print("X is smaller than Y")
    else:
        print("Y is smaller than X")
else:
    print("At least one of them is not negative")
```

- ◉ X is smaller than Y ✓
- ○ Y is smaller than X
- ○ At least one of them is not negative
- ○ Error

✓ **6. What will be the output of this code?** * 1/1

```
x = 300
y = 300
z = x
if x == y and y is z:
    print("All values are equal")
elif x == y or y == z:
    print("Some values are equal")
else:
    print("No values are equal")
```

- ○ All values are equal
- ◉ Some values are equal ✓
- ○ No values are equal
- ○ Error

7. What will be the output of this code? *

1/1

```
x = 10
if x % 2 == 0:
    if x % 5 == 0:
        print("Multiple of 10")
    else:
        print("Multiple of 2 but not 5")
else:
    print("Odd number")
```

- ◉ Multiple of 10 ✓
- ○ Multiple of 2 but not 5
- ○ Odd number
- ○ None of the above

8. What will be the output of this code? *

1/1

```
x = 7
if x % 2 != 0 and x > 5:
    print("Odd and greater than 5")
else:
    print("Condition not met")
```

- ◉ Odd and greater than 5 ✓
- ○ Condition not met
- ○ Error
- ○ None of the above

✓ **9. What will be the output of this code?** * 1/1

```
x = 5;
y = 3;
z = 8;
if x == y or y == z
    print("Condition True")
else:
    print("Condition False")
```

○ Condition True

○ Condition False

◉ Error ✓

○ None of the above

✓ **10. What will be the output of this code?** * 1/1

```
x = 12
y = 8
if x % 2 == 0:
    if y % 2 == 0:
        print("Both numbers are even")
    else:
        print("Only X is even")
else:
    print("Neither X nor Y is even")
```

◉ Both numbers are even ✓

○ Only X is even

○ Neither X nor Y is even

○ None of the above

11. What will be the output of this code? * 1/1

```
x = 18
y = 9
if x > y:
    if x % 2 == 0:
        print("X is greater and even")
    else:
        print("X is greater but odd")
else:
    print("Y is greater or equal to X")
```

- ⦿ X is greater and even ✓
- ◯ X is greater but odd
- ◯ Y is greater or equal to X
- ◯ Error

12. What will be the output of this code? * 1/1

```
x = 2
y = 5
z = 7
if x > y:
    print("X is greater")
elif y > z:
    print("Y is greater")
else:
    print("Z is the greatest")
```

- ◯ X is greater
- ◯ Y is greater
- ⦿ Z is the greatest ✓
- ◯ Error

✓ 13. What will be the output of this code? * 1/1

```
x = 15
if x % 3 == 0 and x % 5 == 0:
    print("FizzBuzz", end=" ")
if x % 3 == 0:
    print("Fizz", end=" " )
elif x % 5 == 0:
    print("Buzz",  end=" " )
else:
    print("Neither")
```

🔘 FizzBuzz Fizz   ✓

⚪ FizzBuZZ

⚪ Fizz

⚪ None of the above

⚪ Buzz

✓ 14. What will be the output of this code? * 1/1

```
x = 100
if x % 10 == 0:
    if x > 50:
        print("Large and divisible by 10")
    else:
        print("Small but divisible by 10")
else:
    print("Not divisible by 10")
```

🔘 a) Large and divisible by 10   ✓

⚪ b) Small but divisible by 10

⚪ c) Not divisible by 10

⚪ d) None of the above

✓ **15. What will be the output of this code?** * 1/1

```
x = 7
y = 5
if x > y:
    if x % 2 == 0:
        print("X is even")
    else:
        print("X is odd")
else:
    print("Y is greater or equal")
```

○ X is even

● X is odd ✓

○ Y is greater or equal

○ Error

✓ **16. What will be the output of this code?** * 1/1

```
x = 7
if x == 7:
    if x % 2 == 0:
        print("X is even")
    else:
        print("X is odd")
else:
    print("X is not 7")
```

○ X is even

● X is odd ✓

○ X is not 7

○ None of the above

✗ 17. What will be the output of this code? *   0/1

```
x = 8
y = 3
z = 5
if x > y and y < z:
    if y > z:
        print("Y is the middle")
    else:
        print("Z is the middle")
else:
    print("X is not the largest")
```

○ Y is the middle

● Z is the middle   ✗

○ X is not the largest

○ None of the above

Correct answer

● Y is the middle

✓ 18. What will be the output of this code? *   1/1

```
x = 10
y = 15
if x > y or y % 5 == 0:
    print("Condition True")
else:
    print("Condition False")
```

● Condition True   ✓

○ Condition False

○ Error

○ None of the above

```
x = 4
y = 4
if x ** 2 == y**y:
    print("Perfect square")
else:
    print("Not a perfect square")
```

○ Perfect square

◉ Not a perfect square   ✓

○ Error

○ None of the above

```
x = 4
y = 6
if x < y:
    if y % 2 == 0:
        print("Even number greater than X")
    else:
        print("Odd number greater than X")
else:
    print("Condition not met")
```

◉ Even number greater than X   ✓

○ Odd number

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