Name		ID	

What is the output of the following code?

| 1. | ```
z = 2
y = 1
x = y < z or z > y and y > z or z < y
print(x)
``` | |
|----|---|---|
| 2. | ```
x, y, z = 3, 2, 1
z, y, x = x, y, z
print(x,y,z)
``` | |
| 3. | ```
print(len((1,)))
``` | |
| 4. | ```
print("a","b","c",sep="")
``` | |
| 5. | ```
v = 1 + 1 // 2 + 1 / 2 + 2
print(v)
``` | |
| 6. | ```
x = 16
while x > 0:
    print('*', end='')
    x //= 2
``` | |
| 7. | ```
print(len([i for i in range(0,-2)]))
``` | |

| 8. | ```
t = (1, 2, 3, 4)
t = t[-2:-1]
t = t[-1]
print(t)
``` | |
| 9. | ```
def f1(x=1, y=2):
    x = x + y
    y += 1
    print(x, y)
f1()
``` | |
| 10. | ```
sampleList = [10, 20, 30, 40, 50]
print(sampleList[-2])
print(sampleList[-4:-1])
``` | |
| 11. | ```
aList = [1, 2, 3, 4, 5, 6, 7]
pow2 =  [2 * x for x in aList]
print(pow2)
``` | |
| 12. | ```
aList = [10, 20, 30, 40, 50, 60, 70, 80]
print(aList[2:5])
print(aList[:4])
print(aList[3:])
``` | |
| 13. | ```
a = [None] * 10
print(len(a))
``` | |
| 14. | ```
sampleList = [10, 20, 30, 40, 50]
sampleList.append(60)
print(sampleList)

sampleList.append(60)
print(sampleList)
``` | |
| 15. | ```
str = "My salary is 7000";
print(str.isalnum())
``` | |

16.	myString = "pynative" stringList = ["abc", "pynative", "xyz"] print(stringList[1] == myString) print(stringList[1] is myString)	
17.	str1 = "PYnative" print(str1[1:4], str1[:5], str1[4:], str1[0:-1], str1[:-1])	
18.	str1 = "my isname isisis jameis isis bond" sub = "is" print(str1.count(sub, 4))	
19.	aTuple = (100, 200, 300, 400, 500) aTuple[1] = 800 print(aTuple)	
20.	aTuple = (100,) print(aTuple * 2)	
21.	aTuple = (100, 200, 300, 400, 500) aTuple.pop(2) print(aTuple)	
22.	aTuple = (10, 20, 30, 40, 50, 60, 70, 80) print(aTuple[2:5], aTuple[:4], aTuple[3:])	
23.	tuple1 = (1120, 'a') print(max(tuple1))	

24.	`aTuple = "Yellow", 20, "Red"`
	`a, b, c = aTuple`
	`print(a)`	

25.	`aTuple = (100, 200, 300, 400, 500)`
	`print(aTuple[-2])`
	`print(aTuple[-4:-1])`	

26.	Write the random method to random float number within 20.5 to 50.5	
27.	To get the random integer number between 100 to 200 which is divisible by 3	
28.	Which method to pick a single character from a given String randomly `str = "pynative"`	
29.	Following is the input list. which method should I use to get 4 elements from the list randomly `list = [20, 40, 60, 80, 100, 120, 140, 160, 180, 200]`	

30.	`for m in 'Jhon':`
	`  if m == 'o':`
	`    pass`
	`  print(m, end=", ")`	

31.	`for num in range(2,-5,-1):` `    print(num, end=", ")`	

| 32. | ```
for num in range(-2,-5,-1):
    print(num, end=", ")
``` | |
|-----|------|---|
| 33. | ```
a, b = 12, 5
if a + b:
    print('True')
else:
    print('False')
``` | |
| 34. | ```
x = 0
while (x < 10):
    x+=2
print(x)
``` | |
| 35. | ```
x = 0
for i in range(10):
    for j in range(-1, -10, -1):
        x += 1
        print(x)
``` | |
| 36. | ```
def fun1(num):
    return num + 25

fun1(5)
print(num)
``` | |
| 37. | ```
def outerFun(a, b):
    def innerFun(c, d):
        return c + d
    return innerFun(a, b)

res = outerFun(5, 10)
print(res)
``` | |
| 38. | ```
def add(a, b):
    return a+5, b+5

result = add(3, 2)
print(result)
``` | |

| 39. | ```
def fun1(name, age=20):
    print(name, age)

fun1('Emma', 25)
``` | |
|---|---|---|
| 40. | to access value **20** from the following tuple

aTuple = ("Orange", [10, 20, 30], (5, 15, 25)) | |