100 Python Output-Based Code Snippets (No Output Provided)

✅ 1–10: Basic Print and Variables

```
# 1
print("Hello" + "World")    O/P: HelloWorld

# 2
a = 5
b = "5"
print(str(a) + b)   O/P: 55

# 3
print(3 * "7")    O/P: 777

# 4
x = "Py"
y = "thon"
print(x + y)    O/P: Python

# 5
x = 10
x = x + 5
print(x)      O/P: 15

# 6
x = 4
print(x * x)    o/p: 16

# 7
x = True
y = False
print(x + y)    o/p: 1

# 8
print("Hello", end=" ")
print("World")    o/p: Hello World

# 9
print("Line1\nLine2")    o/p:  Line1
                               Line2
```

```
# 11
for i in range(1, 4):        *
    print(i * "*")           **
                             ***

# 12
x = 10
if x > 5:
    print("A")
else:                  o/p: A
    print("B")

# 13
x = 1
while x < 4:       o/p: 1
    print(x)            2
    x += 1              3

# 14
for i in range(3):   o/p: 1
    print(i + 1)          2
                          3

# 15
i = 0
while i < 3:          o/p: 1
    i += 1                 2
    print(i)              3

# 16
                       o/p:
for char in "abc":       aa
    print(char * 2)      bb
                         cc
# 17
for i in range(5, 8):  o/p: 5
    print(i)                6
                            7
# 18
x = 3
y = 3
if x == y:             o/p: Equal
    print("Equal")
```

21–30: Slightly Advanced – Lists and Strings

```python
# 21
lst = [1, 2, 3]      o/p:[3,2,1]
print(lst[::-1])

# 22
x = [1, 2]
y = x
x.append(3)       o/p: [1,2,3]
print(y)

# 23
print("apple"[1:4])  o/p: ppl

# 24
print("Python".upper())  o/p: PYTHON

# 25
print("Data".lower().capitalize())   o/p: Data

# 26
nums = [10, 20, 30]
print(sum(nums))       o/p: 60

# 27
chars = list("code")
print(chars)            o/p: ['c','o','d','e']

# 28
print(len([i for i in range(10) if i % 2 == 0]))  o/p: 5

# 29
print(" ".join(["a", "b", "c"]))  o/p: a b c

# 30
print([x**2 for x in range(3)])   o/p: 0,1,4
```

31–40: Functions & Scope

```python
# 31
def greet():               o/p: Hello
    return "Hello"
```

```python
print(greet())

# 32
def add(x, y=2):
    return x + y

print(add(3))
```
o/p: 5

```python
# 33
x = 10
def show():
    x = 5
    print(x)
show()
print(x)
```
o/p: 5
10

```python
# 34
def outer():
    def inner():
        return "Inner"
    return inner()

print(outer())
```
o/p: Inner

```python
# 35
def mult(a, b):
    return a * b

print(mult("Hi", 3))
```
o/p: HiHiHi

```python
# 36
print(type(lambda x: x))
```
o/p: <class 'function'>

41–50: Tuples, Sets, Dictionaries

```python
# 41
t = (1, 2, 3)
print(t[1])
```
o/p: 2

```python
# 42
s = {1, 2, 3, 2}
print(len(s))
```
o/p: 3

```python
# 43
d = {"a": 1, "b": 2}
```

```
print(d["b"])   o/p: 2

# 44
d["c"] = 3
print(d)        o/p: {'a': 1, 'b': 2, 'c': 3}

# 45
print(set("banana")) {'b' , ' a' ,'n' }

# 46
x = {(1, 2): "value"}
print(x[(1, 2)])        o/p: value

# 47
print("key" in {"key": 1})   o/p: True

# 48
sample = {k: k*k for k in range(3)}   o/p: {0:0, 1:1, 2:4}
print(sample)

# 49
x = {1, 2}
y = {2, 3}
print(x & y)     o/p: {2}

# 50
z = {"a": 1, "b": 2}
z.pop("a")              o/p: {'b' : 2}
print(z)
```