

Python Function- Multiple Choice Questions

1. A variable defined outside a function is referred to as
 - a. Local variable
 - b. Only variable
 - c. Global variable
 - d. None of the above
2. Which of the following function headers is correct?
 - a. `def Demo(P, Q = 10):`
 - b. `def Demo(P=10, Q = 20):`
 - c. `def Demo(P=10, Q)`
 - d. Both a and c
3. What will be the output of the following program?

```
x = 10
def f():
    x = x + 10
    print(x)
f()
```

 - a. 20
 - b. 10
 - c. Error: Local variable X referenced before assignment
 - d. None of the above
4. What will be the output of the following program?

```
def Func_A(P = 10, Q = 20):
    P = P + Q
    Q = Q + 1
    print(P, Q)
Func_A(Q = 20, P = 10)
```

 - a. Error: P and Q are not defined.
 - b. 20 10
 - c. 10 20
 - d. 30 21
5. What will be the output of the following program?

```
Def test():
    x=10
    # Main Program #
    x = 11
    test()
    print(x)
```

 - a. 10
 - b. 11
 - c. Garbage value
 - d. None of the above
6. If a function does not return any value, then by default which type of value is returned by the function?
 - a. int
 - b. double
 - c. str
 - d. None
7. What will be the output of the following program?

```
def test():
    global x
    x='A'
    # Main Program #
    x = 'Z'
    test()
    print(x)
```

 - a. Z
 - b. A
 - c. Garbage value
 - d. None of the above
8. What will be the output of following program?

```
def test(x):
    x = 200
    # Main Program #
    x = 100
    test(x)
    print(x)
```

 - a. 100
 - b. Garbage value
 - c. 200
 - d. None of the above

9. What will be the output of the following program?

```
def test(x):  
    p = 90  
  
    # Main Program #  
    p = 50  
    print(test(p))
```

- a. 90
- b. 50
- c. Error
- d. None

10. What will be the output of the following program?

```
def evaluate_expression_1(Z):  
    Z = Z + 5  
    def evaluate_expression_2(Z):  
        print('Hello')  
        return Z  
    return Z  
value = 10  
print(evaluate_expression_1(value))
```

- a. Hello 10
- b. 10
- c. 15 Hello
- d. 15

11. What will be the output of the following program?

```
def evaluate_expression_1():  
    global x  
    x = x - 5  
  
    def evaluate_expression_2():  
        global x  
        return x + 3  
  
    return evaluate_expression_2()  
# Main Program #  
x = 10  
print(evaluate_expression_1())
```

- a. 5
- b. 8
- c. 10
- d. 13

12. What will be the output of the following program?

```
def perform_multiplication(Num1, Num2):  
    Num2 = Num1 * Num2  
    return Num1, Num2  
# Main Program #  
Num2, Num1 = perform_multiplication(5,4)  
print(Num1, Num2)
```

- a. 5, 4
- b. 5, 20
- c. 20, 5
- d. 4, 5

13. What will be the output of the following program?

```
def Display(Designation, Salary):  
    print("Designation = ", Designation, "Salary = ", Salary)  
Display("Manager", 25000)  
Display(300000, 'Programmer')
```

- a. Error: Type Mismatch
- b. Manger 25000
300000 Programmer
- c. 300000 Programmer
Manger 25000
- d. None of the above