Rajalakshmi Engineering College

Name: Suchit Prabu V
Email: 240701541@rajalakshmi.edu.in
Roll no: 240701541
Phone: 9600012595
Branch: REC
Department: I CSE FF
Batch: 2028
Degree: B.E - CSE

NeoColab_REC_CS23221_Python Programming

REC_Python_Week 4_MCQ

Attempt : 1
Total Mark : 15
Marks Obtained : 14

Section 1 : MCQ

1. What is the output of the following code snippet?

```
def my_function(x):
    x += 5
    return x

a = 10
result = my_function(a)
print(a, result)
```

Answer

10 15

Status : Correct   *Marks : 1/1*

2. What is the output of the following code snippet?

```
def square(x):
    return x ** 2

result = square(4)
print(result)
```

Answer

16

Status : Correct   *Marks : 1/1*

3. What keyword is used to define a lambda function in Python?

Answer

lambda

Status : Correct   *Marks : 1/1*

4. What will be the output of the following code?

```
value = 42
result = abs(value) + len(str(value))
print(result)
```

Answer

44

Status : Correct   *Marks : 1/1*

5. What will be the output of the following code?

```
num1 = 10
num2 = -10
result = abs(num1) + abs(num2)
print(result)
```

Answer

20

Status : Correct   *Marks : 1/1*

6. What will be the output of the following code?

number = 7
result = abs(number) + pow(number, 2)
print(result)

Answer

56

Status : Correct   *Marks : 1/1*

7. What is the main advantage of using lambda functions in Python?

Answer

They allow you to write shorter code than regular functions

Status : Correct   *Marks : 1/1*

8. What is the output of the following code snippet?

def fun(x, y=2, z=3):
    return x + y + z

result = fun(1, z=4)
print(result)

Answer

7

Status : Correct   *Marks : 1/1*

9. What is the output of the code shown?

def f1():

```
 global x
 x+=1
 print(x)
x=12
print("x")
```

Answer

x

Status : Correct   *Marks : 1/1*

10. What will be the output of the following Python code?

```
def absolute_value(x):
    if x < 0:
        return -x
    return x

result = absolute_value(-9)
print(result, absolute_value(5))
```

Answer

9 5

Status : Correct   *Marks : 1/1*

11. What will be the output of the following Python code?

```
def cube(x):
    return x * x * x
x = cube(3)
print(x)
```

Answer

27

Status : Correct   *Marks : 1/1*

12. What will be the output of the following Python code?

```
def display(b, n):
    while n > 0:
        print(b,end="")
        n=n-1
display('z',3)
```

Answer

zzz

Status : Correct   *Marks : 1/1*

13. How is a lambda function different from a regular named function in Python?

Answer

A lambda function can only take one argument, while a regular function can take multiple arguments

Status : Wrong   *Marks : 0/1*

14. What will be the output of the following Python code?

```
multiply = lambda x, y: x * y
print(multiply(2, 'Hello'))
```

Answer

HelloHello

Status : Correct   *Marks : 1/1*

15. What will be the output of the following code?

```
def display(*args):
    for arg in args:
        print(arg)

display(10, 20, 30)
```

Answer

102030

Status : Correct

Marks : 1/1