Rajalakshmi Engineering College

Name: Aishwarya R
Email: 241501011@rajalakshmi.edu.in
Roll no: 241501011
Phone: null
Branch: REC
Department: I AI & ML FA
Batch: 2028
Degree: B.E - AI & ML

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 square(x):
    return x ** 2

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

Answer

16

Status : Correct   *Marks : 1/1*

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

```python
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*

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

```python
def add(a, b=2):
    return a - b

result = add(3)
print(result)
```

Answer

1

Status : Correct   *Marks : 1/1*

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

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

Answer

56

Status : Correct   *Marks : 1/1*

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

```python
def cube(x):
    return x * x * x
```

```
x = cube(3)
print(x)
```

Answer

27

Status : Correct   **Marks : 1/1**

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

```
def maximum(x, y):
    if x > y:
        return x
    elif x == y:
        return 'The numbers are equal'
    else:
        return y

print(maximum(2, 3))
```

Answer

3

Status : Correct   **Marks : 1/1**

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

Answer

A lambda function does not have a name, while a regular function does

Status : Correct   **Marks : 1/1**

8. 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**

9. 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*

10. 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*

11. What is the output of the following code?

```
x=12
def f1(a,b=x):
 print(a,b)
x=15
f1(4)
```

Answer

4 15

Status : Wrong   *Marks : 0/1*

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

Answer

lambda

Status : Correct   *Marks : 1/1*

13. 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*

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

```
def C2F(c):
    return c * 9/5 + 32
print(C2F(100))
print(C2F(0))
```

Answer

212.032.0

Status : Correct   *Marks : 1/1*

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

```
def func(a, b=5, c=10):
    print('a is', a, 'and b is', b, 'and c is', c)

func(3, 7)
func(25, c = 24)
func(c = 50, a = 100)
```

Answer

a is 3 and b is 7 and c is 10a is 25 and b is 5 and c is 24a is 100 and b is 5 and c is 50

Status : Correct   *Marks : 1/1*