Rajalakshmi Engineering College

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NeoColab_REC_CS23221_Python Programming

REC_Python_Week 4_MCQ

Attempt : 1
Total Mark : 15
Marks Obtained : 14

Section 1 : MCQ

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

```python
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*

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

```python
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*

3. What is the output of the following code?

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

Answer

4 12

Status : Correct   *Marks : 1/1*

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

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

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

Answer

16

5. 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*

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

```python
def is_even(number):
    if number % 2 == 0:
        return True

result = is_even(6)
print(result)
```

Answer

True

Status : Correct   *Marks : 1/1*

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

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

Answer

HelloHello

Status : Correct   *Marks : 1/1*

8. 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*

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

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

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

Answer

1

Status : Correct   *Marks : 1/1*

10.   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*

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

Answer

lambda

Status : Correct   *Marks : 1/1*

12.   What is the output of the code shown below?

```python
def f1(x):
    x += 1
    print(x)

global_variable = 15
f1(global_variable)
print("hello")
```

Answer

16hello

Status : Correct   *Marks : 1/1*

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

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

Status : Wrong   *Marks : 0/1*

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

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

display(10, 20, 30)
```

Answer

102030

15. What is the output of the code shown?

```
def f():
 global a
 print(a)
 a = "hello"
 print(a)
a = "world"
f()
print(a)
```

Answer

worldhellohello

Status : Correct   *Marks : 1/1*