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PLACEMENT REFRESHER PROGRAM

Session 12: Python 4

Problem Solving & Case Study

By
Ritesh Kumar Pandey

Agenda

- MCQ/MSQ Questions
- Case Study

MCQ/MSQ

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What will be the output of the following code snippet?

```
print(2**3 + (5 + 6)**(1 + 1))
```

1) 129
2) 128
3) 127
4) 3

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```

1) 129
2) 128
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MCQ/MSQ

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What will be the output of the following code snippet?

```
a = [1, 2, 3]
a = tuple(a)
a[0] = 2
print(a)
```

1) (1, 2, 3)
2) [2, 2, 3]
3) (2, 2, 3)
4) [1, 2, 3]
5) None of the above

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MCQ/MSQ

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MCQ/MSQ

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What will be the type of the variable sorted_numbers in the below code snippet?

```
numbers = (4, 7, 19, 2, 89, 45, 72, 22)
sorted_numbers = sorted(numbers)
print(sorted_numbers)
```

1) list
2) tuple
3) int
4) string

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Which of the following is the correct way of creating an array of type float?

1. a = np.array([4,3,2,1]).toFloat()
2. a = np.float([4,3,2,1])
3. a = np.array([4,3,2,1], dtype='f')
4. a = np.array([4,3,2,1], type='float')

MCQ/MSQ

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3. a = np.array([4,3,2,1], dtype='f')
4. a = np.array([4,3,2,1], type='float')

What will be the output of the following Python code?

```
x = 50
def func(x):
    print('x is', x)
    x = 2
    print('Changed local x to', x)
func(x)
print('x is now', x)
```

A) x is 50
Changed local x to 2
x is now 50

B) x is 50
Changed local x to 2
x is now 2

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    x = 2
    print('Changed local x to', x)
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print('x is now', x)
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A) x is 50
Changed local x to 2
x is now 50

B) x is 50
Changed local x to 2
x is now 2

THANK YOU