Session 3

Lists & Loops

Today's Agenda

- Lesson 2 Recap
- Activity
- Lesson 3 Preview
- Q & A

Lesson 2 Recap

Lesson 2 Recap - Python Loops

Key Questions

- what is a Python Loop?
- Why is a Python Loop important?

Code Example

```python
for x in [1, 2, 3]:
    print(x)

"""
Output:
1
2
3
"""
```

Lesson 2 Recap - Python Loops

There're 2 different types of loops in Python

For-loop

```python
for x in [1,2,3]:
    print(x)
```

While-Loop

```python
x = 1
while x < 4:
    print(x)
    x += 1
```

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Lesson 2 Recap – Python Loops

Nested Loops

- What are nested loops?

- How can they help optimize the code?

```python
for x in [1, 2]:
    for y in ['a', 'b']:
        print(x, y)
```

Q & A