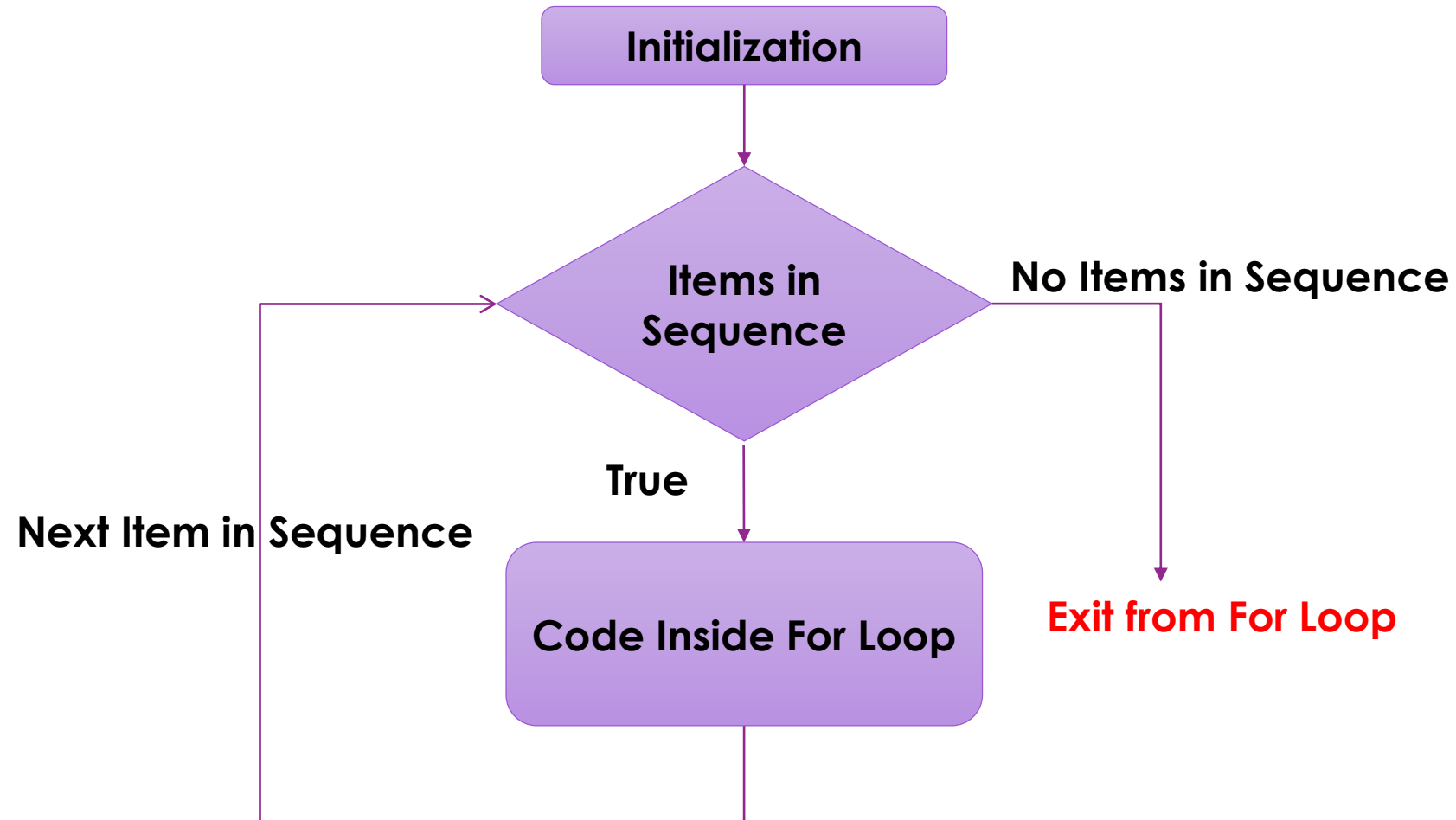CITC
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Topic of the Day

For Loop

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For Loop Flow Chart

Execution Process of For Loop

The execution process of the for loop in python is:

- **Initialization:** We initialize the variable(s) here. For example i=1.

- **Items in Sequence / Object:** Compiler will check for the items in Objects. For example, individual letters in String word. If there are items in sequence (True) then it will execute the statements inside the for loop. If there is no item in sequence (False) then it will exit from the loop

- After completing the every for loop iteration, compiler will traverse to next item.

- Again it will check for the new items in sequence. As long as the items in sequence, the statements inside the Python for loop will be executed.

Example – Printing Characters from String

```
1    str = "Learning Python"
2    for ch in str:
3        print("Letters are ", ch)
```

Going out of the Way

```python
str = "143"
t = 0
for ch in str:
    t = t + int(ch)
print("Sum of Digits ", t)
```

Thank you
for
watching

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