

1 Original Code (print is outside the loop)

```
python                                                                    Copy Edit

i = 1
while i <= 5:
    i = i + 1 # This runs inside the loop
print(i) # This runs AFTER the loop ends
```

- `i = i + 1` happens inside the loop.
- `print(i)` is **not indented**, so it runs **after** the loop ends.
- The loop runs until `i` becomes 6, then the loop stops.
- Finally, `print(i)` prints 6.



```
python                                                                    Copy Edit

i = 1
while i <= 5:
    i = i + 1
    print(i) # Now this runs inside the loop
```

- `i = i + 1` happens first inside the loop.
- `print(i)` is **indented**, so it runs **each time** the loop executes.
- Output:

```
2
3
4
```

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How Indentation Works:

1. Indented code (with spaces) → Inside the loop/block
2. Non-indented code (no spaces) → Outside the loop/block