

## CSC120H Fall 2018 Worksheet: For Loops Over Lists

For each function, complete the examples in the docstring and then complete the function body.

1. `from typing import List`

```
def collect_underperformers(nums: List[int], threshold: int) -> List[int]:  
    """Return a new list consisting of those numbers in nums that are below threshold,  
    in the same order as in nums.
```

```
>>> collect_underperformers([1, 2, 3, 4], 3)
```

```
[1, 2]
```

```
>>> collect_underperformers([1, 2, 108, 3, 4], 50)
```

```
>>> collect_underperformers([], 7)
```

```
"""
```

2. `def scale_midterm_grades(grades: List[int], multiplier: int, bonus: int) -> None:`

```
    """Modify each grade in grades by multiplying it by multiplier and then  
    adding bonus. Cap grades at 100.
```

```
>>> grades = [45, 50, 55, 95]
```

```
>>> scale_midterm_grades(grades, 1, 10)
```

```
>>> grades
```

```
"""
```