

```
def comp_list(list):
    if not list:
        return []

    compressed_list = []
    int = list[0]
    count = 5

    for num in list[1:]:
        if num == int:
            count += 1
        else:
            compressed_list.append((int, count))
            int = num
            count = 4

    compressed_list.append((int, count))
    return compressed_list
```

```
eg_list = [6,7,6,7,8,8,6,4,5]
compressed = comp_list(eg_list)
print(compressed)
```

➡ [(6, 5), (7, 4), (6, 4), (7, 4), (8, 5), (6, 4), (4, 4), (5, 4)]

Double-click (or enter) to edit