Question 1, Part A

```
all_increasing? (data) (recursive)
```

```
if (length of data) < 2

report true
```

```
all_increasing? (all but first of data) (recursive)
```

```
item 1 of data < item 2 of data
```

```
report (item 1 of data) < (item 2 of data) and (all but first of data) (recursive)
```

Question 1, Part B

```
all_increasing? (data) (non-recursive)
```

```
report (combine with and items of)
```

```
# map (over)
```

```
reverse (all but first of reverse (data)) (all but first of data)
```

```
reverse all but first of reverse (data) (all but first of data)
```
Question 2

def most_common(sequence):
    counts = {
    for elem in sequence:
        if elem in counts:
            counts[elem] += 1
        else:
            counts[elem] = 1
    max_val = max(counts.values())
    return [elem for elem in counts if counts[elem] == max_val]