Encode a list of strings to a single string.

```
class Solution:
    def encode(self, strs: List[str]) -> str:

        if not strs:
            return ""

        sizes = []
        result = ""

        for s in strs:
            sizes.append(len(s))
        for sz in sizes:
            result += str(sz)
            result += ','
        result += '#'
        for s in strs:
            result += s
        return result
```

```
encoded_str = Solution().encode(["george", "code"])
print(encoded_str)
```

Step 1:

self -> solution instance
strs -> ["george", "code"]
sizes -> []
result -> ""

Step 2:
```
for s in strs:
    sizes.append(len(s))
```

- 1st iteration:

s -> "george"
sizes -> [6]

- 2nd iteration:

s -> "code"
sizes -> [6, 4]

Step 3:
```
for sz in sizes:
    result += str(sz)
    result += ','
```

- 1st iteration

s2 -> 6

result -> "6,"

- 2nd iteration

s2 -> 4

result -> "6,4,"

Step 4: result += "#"

result -> "6,4,#"

Step 5: for s in strs:
result += s

1st iteration:

s -> "george"

result -> 6,4,#george"

2nd iteration:

s -> "code"

result -> "6,4,#georgecode" ✓