Here's how the internal mechanism works when using `reduce`:

1. **Start with the First Two Numbers**
   The function `add(x, y)` is applied to the **first two elements** of the list:
   ```
   x = 47, y = 11
   add(47, 11) = 58
   ```
   Now, replace these two numbers with their sum in the list:
   List becomes:`[58, 42, 13]`

2. **Move to the Next Number**
   The result from the first step (`58`) is combined with the **next element** in the list:
   ```
   x = 58, y = 42
   add(58, 42) = 100
   ```
   Now, replace these two numbers with their sum in the list:
   List becomes: `[100, 13]`

3. **Combine the Final Two Numbers**
   The result from the second step (`100`) is combined with the **last element** in the list:
   ```
   x = 100, y = 13
   add(100, 13) = 113
   ```
   Now, there’s only one number left:
   List becomes: `[113]`

4. **Final Result**
   The final result is **113**, which is the sum of the list `[47, 11, 42, 13]`.

In Short: How It Adds Up
- Step 1: 47 + 11 = 58
- Step 2: 58 + 42 = 100
- Step 3: 100 + 13 = 113