

Q11.) Using pen & paper, write the internal mechanism for sum operation using reduce function on this given list: $[47, 11, 42, 13]$.

Ans Using reduce to sum the list $[47, 11, 42, 13]$

★ First step:- Start with the first two elements 47 and 11.

$$\Rightarrow 47 + 11 = 58.$$

★ Next step:- Use 58 as the accumulator and add 42.

$$\Rightarrow 58 + 42 = 100$$

★ Final step:- Use 100 as the accumulator and add 13.

$$\Rightarrow 100 + 13 = 113.$$

★ Result:- The sum of $[47, 11, 42, 13]$ using reduce function is 113.