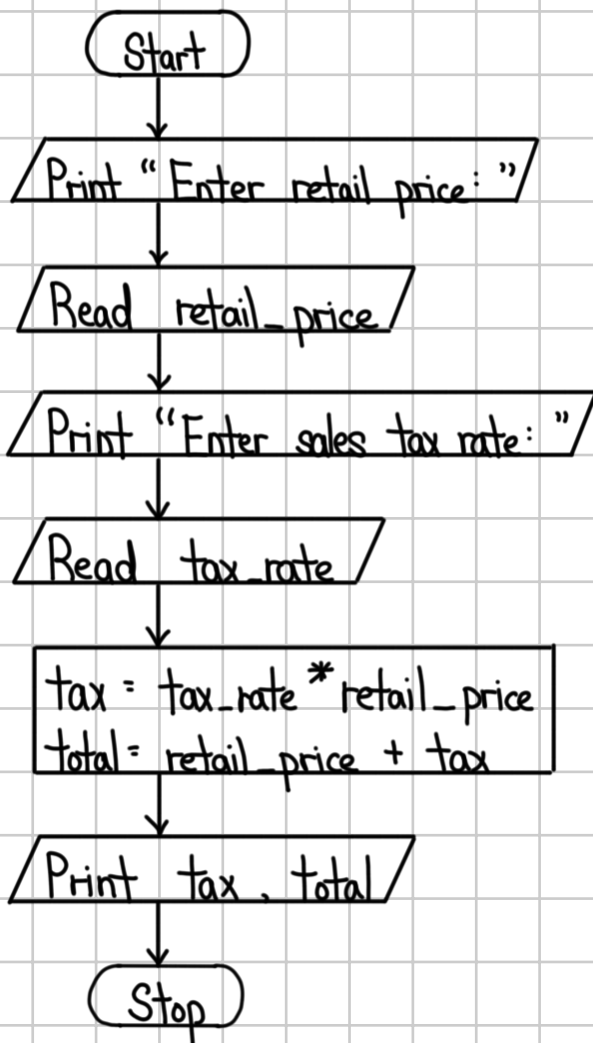Lab Exercise

① Pseudocode

1. Start
2. Read retail_price, tax_rate
3. Calculate tax = tax_rate * retail_price
4. Calculate total = retail_price + tax
5. Display tax, total
6. End

Flowchart

```
              ( Start )
                 │
                 ▼
    / Print "Enter retail price: " /
                 │
                 ▼
    / Read retail_price /
                 │
                 ▼
    / Print "Enter sales tax rate: " /
                 │
                 ▼
    / Read tax_rate /
                 │
                 ▼
    ┌─────────────────────────────┐
    │ tax = tax_rate * retail_price │
    │ total = retail_price + tax   │
    └─────────────────────────────┘
                 │
                 ▼
    / Print tax, total /
                 │
                 ▼
              ( Stop )
```

② j = 10, k = 2, l = 4

j = 10 * 2   l = 2 * 1
  = 20   = 2

k = 20 + 2
  = 22

Display 22

Table 1

Input	No	Sum	Output
0	0	2	
	3	5	
	6	11	
	10	21	
	14	35	14 35
1	1 4 7 11	2 6 13 24	11 24
5	5 9 13	2 11 24	13 24

10	10	2	
	14	16	14 16
12	12	2	12 2