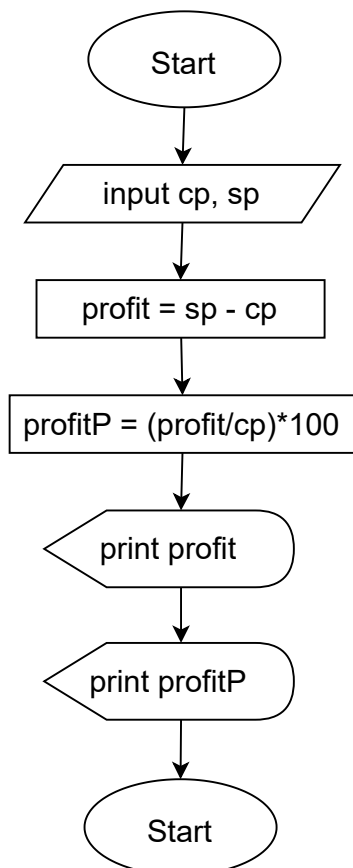# 1) Requirement

- Write a program that accept the cost price and selling price of any item then print the profit and profit percentage.
-

2) Algorithm

- **Step 1 :** Begin
- **Step 2 :** Input cost price and selling price
- **Step 3 :** Calculate profit by subtracting cost price from selling price
- **Step 4 :** Calculate profit percentage by dividing the profit by the cost price and multiplying by 100.
- **Step 5 :** Print profit
- **Step 6 :** Print profit percentage
- **Step 7 :** End
-

3) Flow chart

```
              ┌──────────┐
             (   Start    )
              └────┬─────┘
                   │
                   ▼
            / input cp, sp /
                   │
                   ▼
           ┌─────────────┐
           │ profit = sp - cp │
           └──────┬──────┘
                  │
                  ▼
        ┌──────────────────────┐
        │ profitP = (profit/cp)*100 │
        └──────────┬───────────┘
                   │
                   ▼
            <  print profit  >
                   │
                   ▼
            <  print profitP >
                   │
                   ▼
             (   Start    )
```

2) Pseudocode

- **BEGIN**
- **....**
-
- **END**
-
-