```
          ╭─────────────────────────╮
          │  Start of Program: setup │
          ╰─────────────────────────╯
                     │
                     ▽◁───────────────────────┐
                     │                         │
          ┌─────────────────────┐             │
          │  Enter pin code      │             │
          └─────────────────────┘             │
                     │                         │
                     │                  No     │
                  ◇ pin code correct? ─────────┤
                     │                         │
                    Yes                        │
                     │                         │
          ┌─────────────────────┐             │
          │  Ask for finger print │             │
          └─────────────────────┘             │
                     │                         │
                     │                  No     │
                  ◇ F.print code correct? ─────┘
                     │
                    Yes
                     │
          ┌─────────────────────┐
          │    Unlock Door       │
          └─────────────────────┘
```

A pin code is entered on the keypad, this pincode will open a memory/register which contain the fingerprint data.

The pin code is verified and if there is no memory allocated to the pin code entered it will return to start of program if not it will jump to the next program.

Then the system will wait for the finger print data, once the finger print data is obtained, it will compared the obtained data with that in the memory.

If the data is matched, the door will open and if not it will return back to the start of the process.