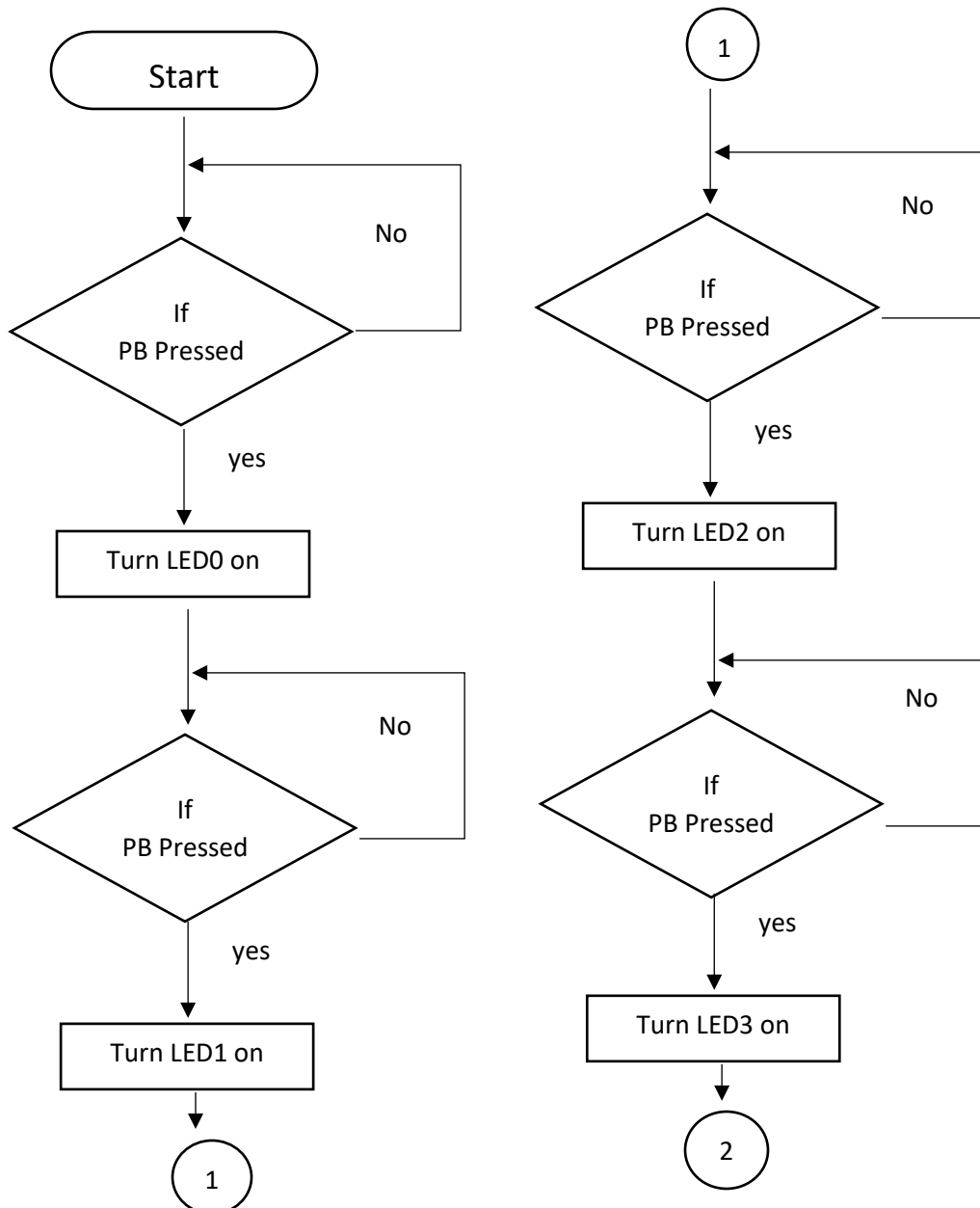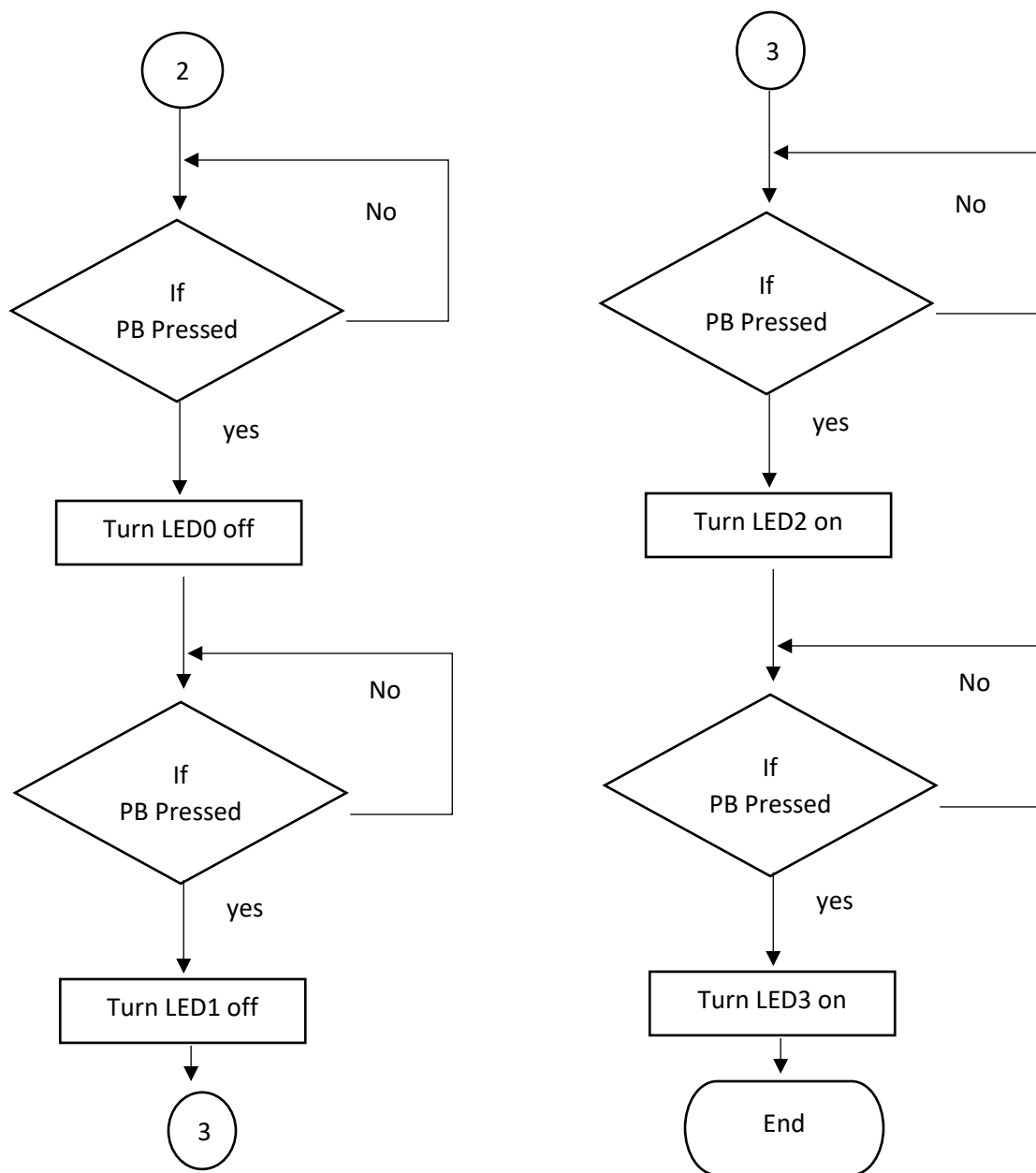# LED Sequence V1.0

Project description:

- Initially, all LEDs are OFF
- Once BUTTON0 is pressed, LED0 will be ON
- Each press further will make another LED is ON
- At the fifth press, LED0 will change to be OFF
- Each press further will make only one LED is OFF
- This will be repeated forever

Project flowchart:

Flowchart

(2)

If PB Pressed → No (loop back)

↓ yes

Turn LED0 off

↓

If PB Pressed → No (loop back)

↓ yes

Turn LED1 off

↓

(3)

---

(3)

If PB Pressed → No (loop back)

↓ yes

Turn LED2 on

↓

If PB Pressed → No (loop back)

↓ yes

Turn LED3 on

↓

End

Layered Architecture:

Application	
Push Button	LED
DIO	Interrupt
Microcontroller	

Service