Program no 02

Program Title: PUSH-BUTTON

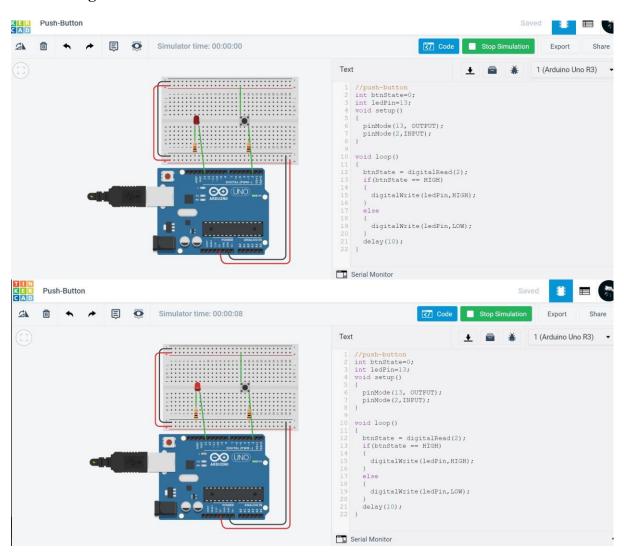
Aim

To demonstrate working of LED when button is pushed

Hardware Required

- Arduino Board
- Led Light
- 1 ohm resistor
- 1 Push Button

Circuit Diagram -



```
Code:
//push-button
int btnState=0;
int ledPin=13;
void setup()
{
 pinMode(13, OUTPUT);
 pinMode(2,INPUT);
}
void loop()
 btnState = digitalRead(2);
 if(btnState == HIGH)
  digitalWrite(ledPin,HIGH);
 }
 else
  digitalWrite(ledPin,LOW);
 }
 delay(10);
```

Observation / Output:

