Shaan Subbaiah B C - 1BM18CS096

Program no – 02

Program Title – Push Button
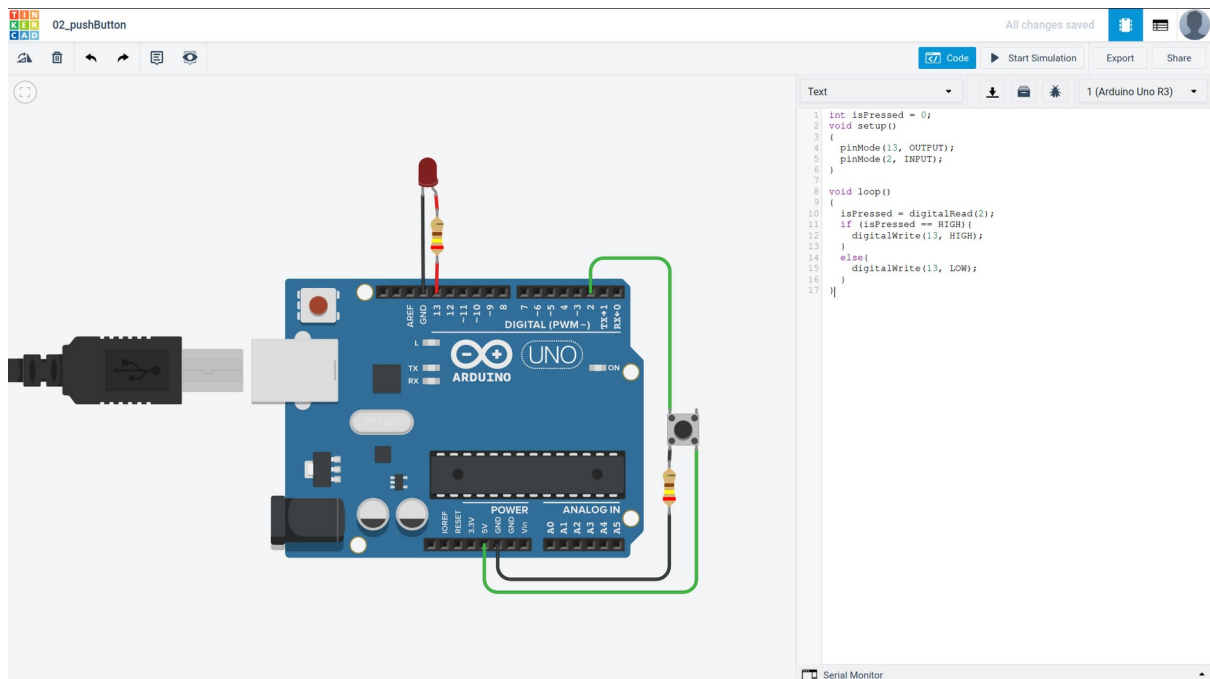
Aim

> To use a push button to turn on an LED

Hardware Required

- Arduino Board
- LED
- 2x 240 Ohm Resistor
- Push Button

Circuit Diagram

Code:

```
int isPressed = 0;
void setup()
{
pinMode(13, OUTPUT);
pinMode(2, INPUT);
```

```
}

void loop()
{
isPressed = digitalRead(2);
if (isPressed == HIGH){
digitalWrite(13, HIGH);
}
else{
digitalWrite(13, LOW);
}
}
```

Observation /Output

LED is turned on when the button is pressed.