Name – Parag Gattani

Program No. – 05

Program Title – ON/OFF LED using Push Button

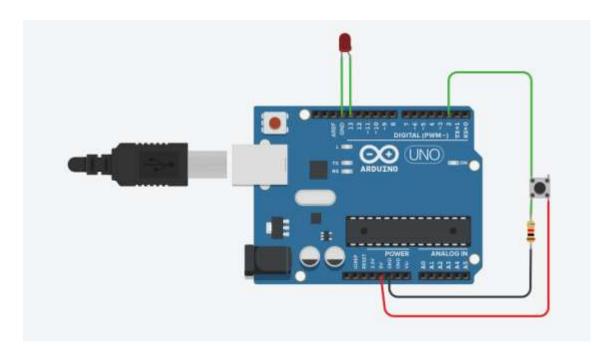
AIM

Demonstrate to show ON/OFF of a LED using push button(Digital Output).

HARDWARES REQUIRED

- Arduino Board
- LED bulb
- Push Button
- Resistor

CIRCUIT DIAGRAM



WRITE-UP

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	USN-18M26C8067
Exp. No. 5	23 /09 2020
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	LED Bulle
	Push Button
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	Code :-
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	penMode (13,007 PUT);
	penthade (2, OUTPUT):
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	buttonstate = digital Red (2);
	ey (button stade == HIGH)
	(13, HIGH); 3
	clsa
	2 digital write (13, LOW); }
	}

CODE

```
int buttonstate=0;
void setup()
{
 pinMode(13, OUTPUT);
 pinMode(2, OUTPUT);
}
void loop()
{
 buttonstate=digitalRead(2);
 if(buttonstate == HIGH)
 {digitalWrite(13,HIGH);}
 else
 {digitalWrite(13,LOW);}
}
```

OUTPUT

ON/OFF of a LED using push button(Digital Output).