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EXP-5

ON/OFF LED using push button

Aim:

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

Hardware Required:

Arduino Board

LED Bulb

Push Button

Resistor

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); }
```

```
}
```



