

WHILE FUNKSJON

```
// pin definitions
```

```
int ledPin = 3;
```

```
int buttonPin = 2;
```

```
// global variables
```

```
int toggleState;
```

```
int buttonState = 1;
```

```
void setup() {
```

```
    // setup pin modes
```

```
    pinMode(ledPin, OUTPUT);
```

```
    pinMode(buttonPin, INPUT_PULLUP);
```

```
}
```

```
void loop() {
```

```
    buttonState = digitalRead(buttonPin);
```

```
    while(buttonState == 0)
```

```
    {
```

```
        toggleState = !toggleState;
```

```
        digitalWrite(ledPin, toggleState);
```

```
        delay(50);
```

Programming

```
    buttonState = digitalRead(buttonPin);  
}  
  
toggleState =! toggleState;  
digitalWrite(ledPin, toggleState);  
delay(200);  
}
```