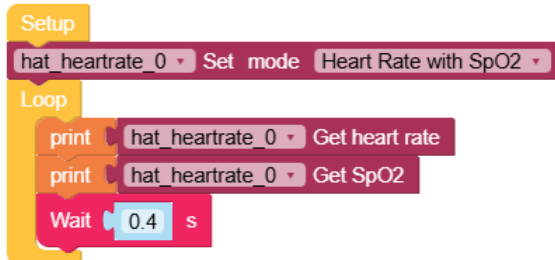


Hat Heart Rate

Example

Retrieves heart rate and blood oxygen values.



```
from m5stack import *
from m5ui import *
from uiflow import *
import time
import hat

setScreenColor(0x111111)

hat_heartrate_0 = hat.get(hat.HEART_RATE)

hat_heartrate_0.setMode(0x03)
while True:
    print(hat_heartrate_0.getHeartRate())
    print(hat_heartrate_0.getSpO2())
    wait(0.4)
    wait_ms(2)
```

API

hat_heartrate_0 Get heart rate

```
hat_heartrate_0.getHeartRate()
```

- Retrieves heart rate data.

hat_heartrate_0 Get IR RAW ADC value

```
hat_heartrate_0.getIr()
```

- Gets the infrared raw ADC value.

`hat_hearttrate_0` ▾ Get RED RAW ADC value

```
hat_hearttrate_0.getRed()
```

- Gets the red light raw ADC value.

`hat_hearttrate_0` ▾ Get SpO2

```
hat_hearttrate_0.getSpO2()
```

- Retrieves blood oxygen saturation (SpO2) data.

`hat_hearttrate_0` ▾ Set LED current REDLED `0ma` ▾ IRLED `0ma` ▾

```
hat_hearttrate_0.setLedCurrent(0x00, 0x00)
```

- Sets the current values for the red and infrared LEDs.

`hat_hearttrate_0` ▾ Set mode Heart Rate ▾

```
hat_hearttrate_0.setMode(0x02)
```

- Sets the mode for heart rate or other measurements.