```
/* This code is used to program the Pulse and Oxygen in blood (SPO2) Sensor in order to
measure the Heart beat per minute as well as the oxygen saturation in blood in percent

The functions are provided by the following reference:
e-Health Sensor Platform V2.0 for Arduino and Raspberry Pi [Biometric / Medical Applications],
available online at: https://www.cooking-hacks.com/documentation/tutorials/ehe



  */



#include <PinChangeInt.h>

#include <eHealth.h>

int cont = 0;

void setup() {

Serial.begin(115200);

// To initialize SPO2 sensor.

eHealth.initPulsioximeter();

//Attach the inttruptions for using the pulsioximeter.

PCintPort::attachInterrupt(6, readPulsioximeter, RISING);

}

void loop() {

Serial.print("PRbpm : ");

// Returns the Heart beat per minute.

Serial.print(eHealth.getBPM());

Serial.print("        %SPo2 : ");

// Returns the oxygen saturation in blood in percent.

Serial.print(eHealth.getOxygenSaturation());
```

```
Serial.print("\n");

Serial.println("=============================");

delay(500);}


//This code must always be included when using the pulsioximeter sensor

void readPulsioximeter(){

// Read a value from the SPO2 sensor.

eHealth.readPulsioximeter();

    }

}
```