Lab 9: Hack Your Headphone + Bluetooth Connection

Hacking Headphone:
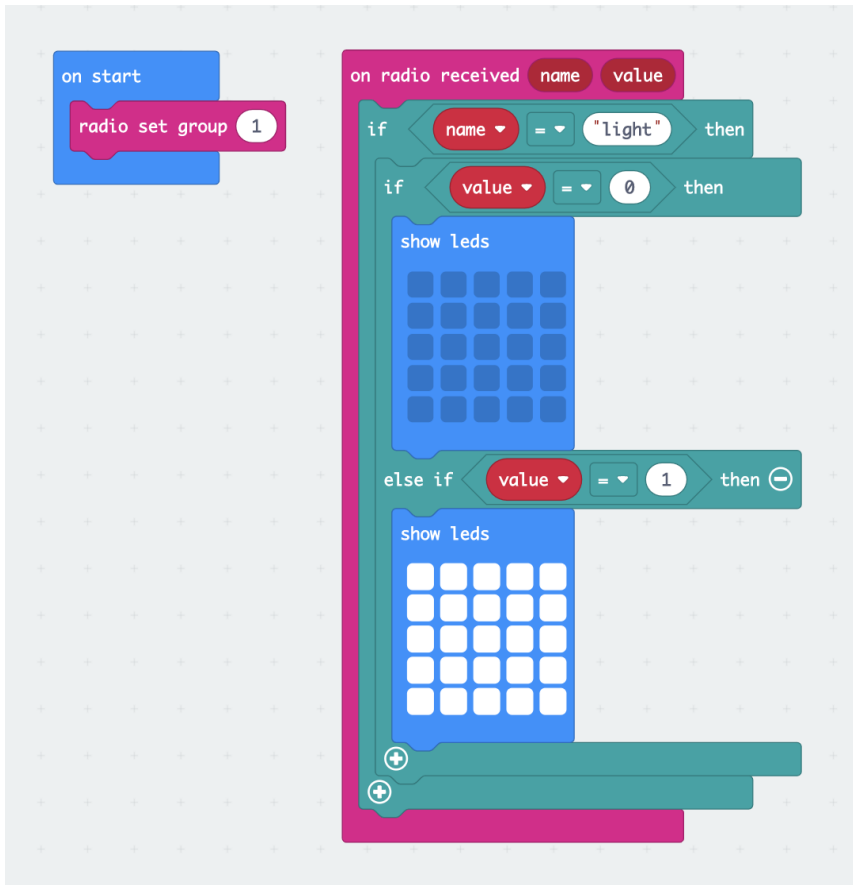
```
forever
    if  button A ▾ is pressed  then
        set built-in speaker  ON
        play tone  Middle C  for  1 ▾ beat
    else if  button B ▾ is pressed  then ⊖
        set built-in speaker  OFF
        play tone  High C  for  1 ▾ beat
    ⊕

on start
    set  vol ▾ to  120
```
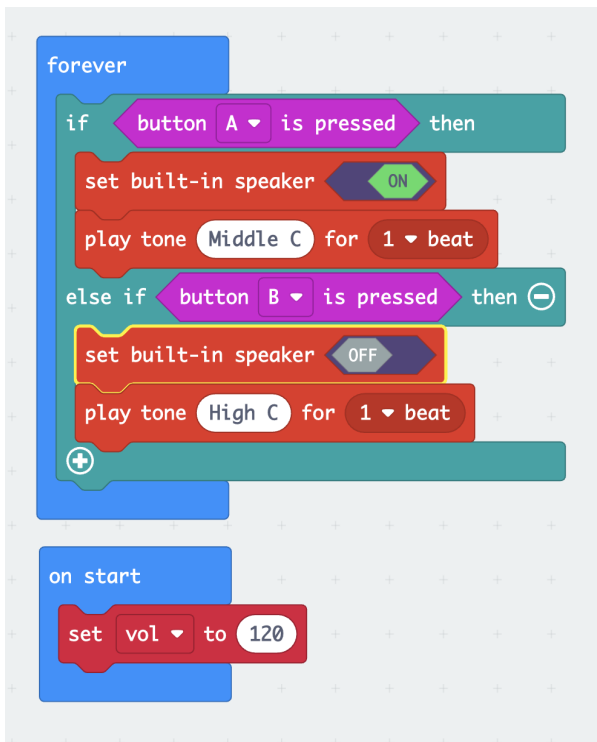
Exercise 1:
(a) Bluetooth Remote Light Control - Sender

```
on start
    radio set group  1

forever
    if  button A ▾ is pressed  then
        radio send value  "light"  =  0
    else if  button B ▾ is pressed  then ⊖
        radio send value  "light"  =  1
    ⊕
```
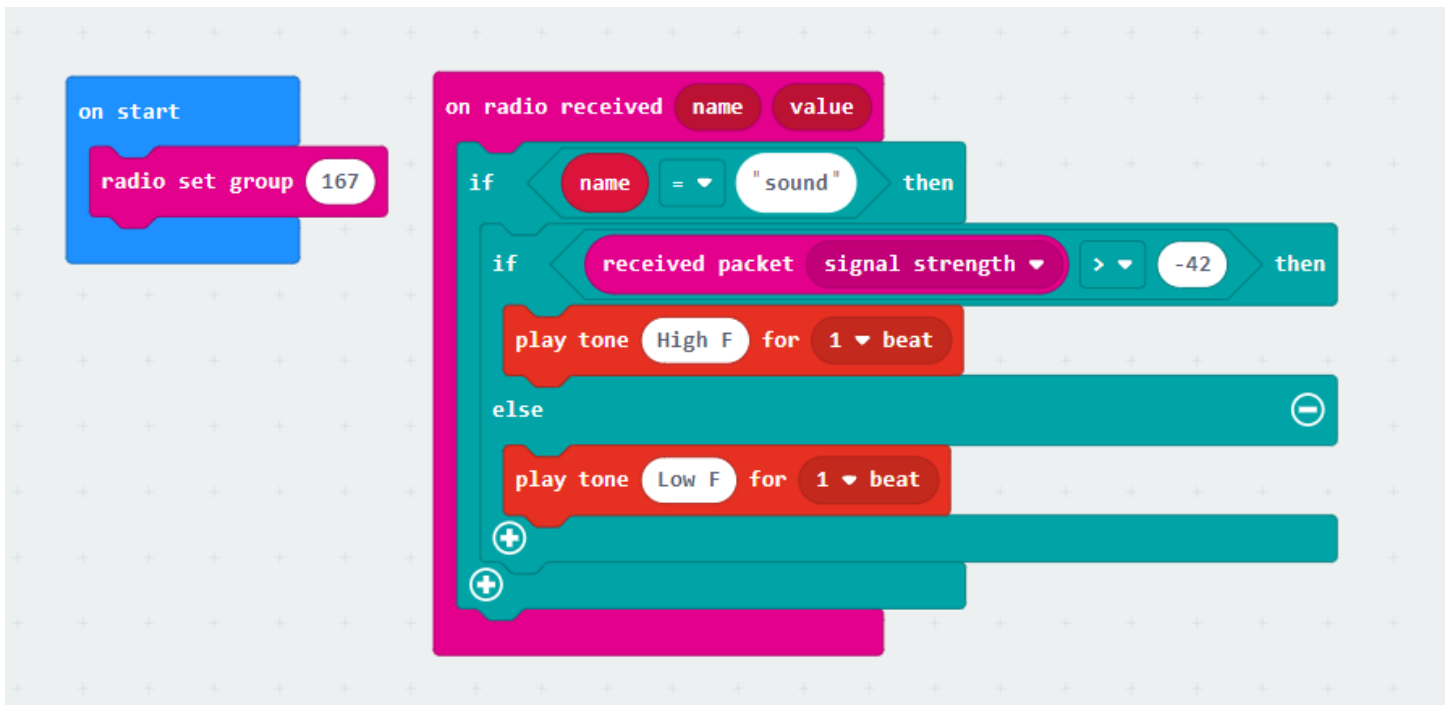
(b) Bluetooth Remote Light Control - Receiver

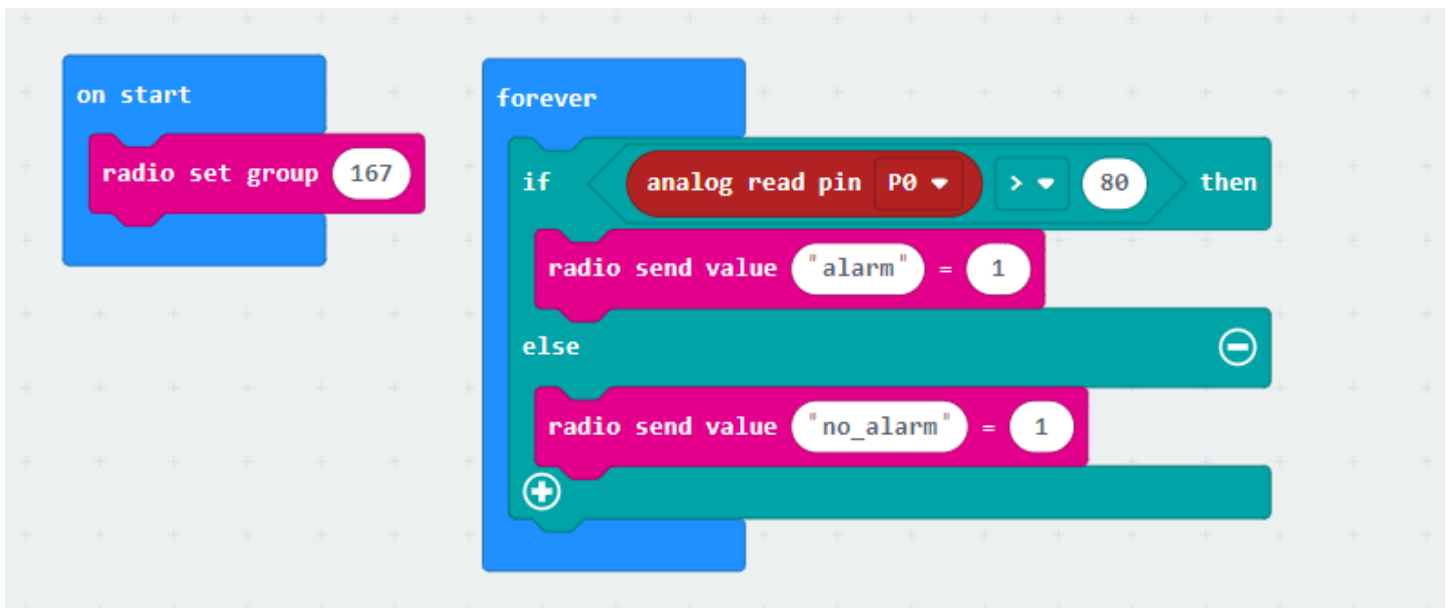Video Demo: https://drive.google.com/file/d/1k1k2yH2wL9Oaj4V3xmY7HpXAICLFFWpW/view?usp=sharing

Assignment 1:
(a) Bluetooth Proximity Sensor - Sender

(b) Bluetooth Proximity Sensor - Receiver

Video Demo: https://drive.google.com/file/d/1-FyrdR4vDdO8eO3P3dqlcXbaLxJGegp3/view?usp=sharing

Assignment 2:

(a) Bag Guardian - Sender

(b) Bag Guardian - Receiver

Video Demo: https://drive.google.com/file/d/1LJcOxrca8Ss6XaKrvZkPgTBF8_K4xzdU/view?usp=sharing