

```
from microbit import *

while True:
    display.scroll("hola mundo")
    display.show(Image.HEART)
    sleep(2000)
```

```
from microbit import *

barco = Image("05050:"
              "05050:"
              "05050:"
              "99999:"
              "09990:")

display.show(barco)
```

```
from microbit import *

barco1 = Image("05050:"
               "05050:"
               "05050:"
               "99999:"
               "09990:")

barco2 = Image("00000:"
               "05050:"
               "05050:"
               "05050:"
               "99999:")

barco3 = Image("00000:"
               "00000:"
               "05050:"
               "05050:"
               "05050:")

barco4 = Image("00000:"
               "00000:"
               "00000:"
               "05050:"
               "05050:")

barco5 = Image("00000:"
               "00000:"
               "00000:"
               "00000:"
               "05050:")

secuencia = [barco1, barco2, barco3, barco4, barco5]

display.show(secuencia, delay=350)
```

```
from microbit import *
```

```
while True:
```

```
    if button_a.is_pressed():
        display.show(Image.HAPPY)
    elif button_b.is_pressed():
        display.show(Image.SAD)
        sleep(500)
        break
    else:
        display.show(Image.HEART)
```

```
display.clear()
```

```
from microbit import *
```

```
while True:
```

```
    gesture = accelerometer.current_gesture()
    if gesture == "shake":
        display.show(Image.HAPPY)
    else:
        display.show(Image.ANGRY)
```

```
from microbit import *
```

```
while True:
```

```
    if button_a.is_pressed():
        temp = temperature()
        display.scroll(str(temp))
```

```
from microbit import *
```

```
while True:
```

```
    if display.read_light_level() < 100:
        display.show(Image.HEART)
    else:
        display.clear()
```

```
from microbit import *
```

```
compass.calibrate()
```

```
while True:
```

```
    heading = compass.heading()
```

```
    if 315 <= heading or heading <= 45:
```

```
        display.show('N')
```

```
    else:
```

```
        display.clear()
```

```
from microbit import *
```

```
import radio
```

```
radio.config(group=23)
```

```
radio.on()
```

```
while True:
```

```
    message = radio.receive()
```

```
    if message == 'duck':
```

```
        display.show(Image.DUCK)
```

```
    gesture = accelerometer.current_gesture()
```

```
    if gesture == "shake":
```

```
        display.clear()
```

```
        radio.send('duck')
```



















