1. LED Blink

```
Import RPi.GPIO as GPIO
Import time

GPIO.setwarnings(False)
GPIO.setmode(GPIO.BCM)
GPIO.setup(4, GPIO.OUT)

While True:
  GPIO.output(4, GPIO.HIGH)  # Turn LED ON
  Time.sleep(1)  # Wait 1 second
  GPIO.output(4, GPIO.LOW)  # Turn LED OFF
  Time.sleep(1)  # Wait 1 second
```

2. Buzzer Control

```
Import RPi.GPIO as GPIO
Import time

GPIO.setwarnings(False)
GPIO.setmode(GPIO.BCM)

BUZZER = 23
buzzState = False

GPIO.setup(BUZZER, GPIO.OUT)
```

```
While True:
    buzzState = not buzzState  # Toggle buzzer state
    GPIO.output(BUZZER, buzzState)
    Time.sleep(1)  # Wait 1 second
```

3. LED Toggle

```
Import RPi.GPIO as GPIO
Import time

# Set up the GPIO mode
GPIO.setmode(GPIO.BCM)

# Define the GPIO pins for LEDs
LED1_PIN = 17
LED2_PIN = 27

# Set up the GPIO pins as outputs
GPIO.setup(LED1_PIN, GPIO.OUT)
GPIO.setup(LED2_PIN, GPIO.OUT)

Try:
  While True:
    # Turn on LED1 and turn off LED2
    GPIO.output(LED1_PIN, GPIO.HIGH)
    GPIO.output(LED2_PIN, GPIO.LOW)
    Print(“LED1 ON, LED2 OFF”)
```

```
        Time.sleep(1)

        # Turn off LED1 and turn on LED2
        GPIO.output(LED1_PIN, GPIO.LOW)
        GPIO.output(LED2_PIN, GPIO.HIGH)
        Print("LED1 OFF, LED2 ON")
        Time.sleep(1)

Except KeyboardInterrupt:
    # Clean up the GPIO settings before exiting
    GPIO.cleanup()
    Print("Program exited cleanly")
```