WATER SENSOR:

CODE:

```
import RPi.GPIO as GPIO
import time

SENSOR_PIN = 16
BUZZER_PIN = 18

GPIO.setmode(GPIO.BCM)
GPIO.setup(SENSOR_PIN, GPIO.IN)
GPIO.setup(BUZZER_PIN, GPIO.OUT)
GPIO.output(BUZZER_PIN, False)
GPIO.setwarnings(False)

print("Water Sensor Ready...")
try:
    while True:
        if GPIO.input(SENSOR_PIN):
            GPIO.output(BUZZER_PIN, True)
            print("Water Detected")
            while GPIO.input(SENSOR_PIN):
                time.sleep(0.2)
        else:
            GPIO.output(BUZZER_PIN, False)
            print("Water not detected")
        time.sleep(0.5)
except KeyboardInterrupt:
    print("\nProgram terminated by user")
finally:
    GPIO.cleanup()
    print("GPIO cleanup completed")
```