```python
from machine import Pin, UART
import time


uart = UART(1, baudrate = 9600, tx = Pin(4), rx = Pin(5))
uart.init(bits = 8, parity = None, stop = 1)

led = Pin(25, Pin.OUT)

while True:

    if uart.any():

        data = uart.readline()
        data = data.decode('utf-8')
        print(data)

        if data == "A\n":
            led.on()

        else:
            led.off()

    time.sleep(0.5)
```