

5G智能物联网

Aidlux下CAN口工程

广和通大学计划项目组

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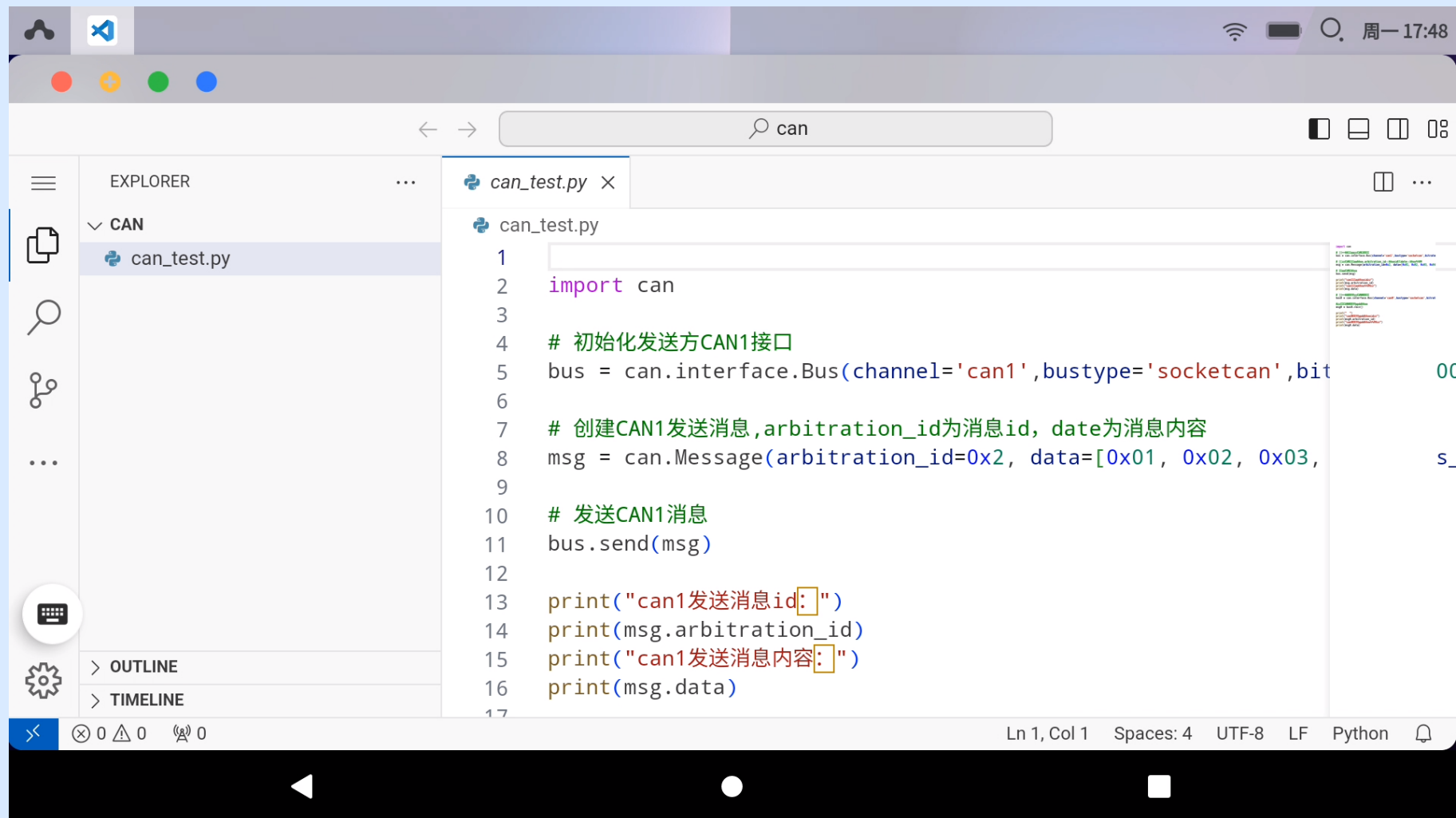
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Aidlux下CAN口功能测试

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Aidlux下CAN口工程代码解读

Aidlux下CAN口工程代码解读

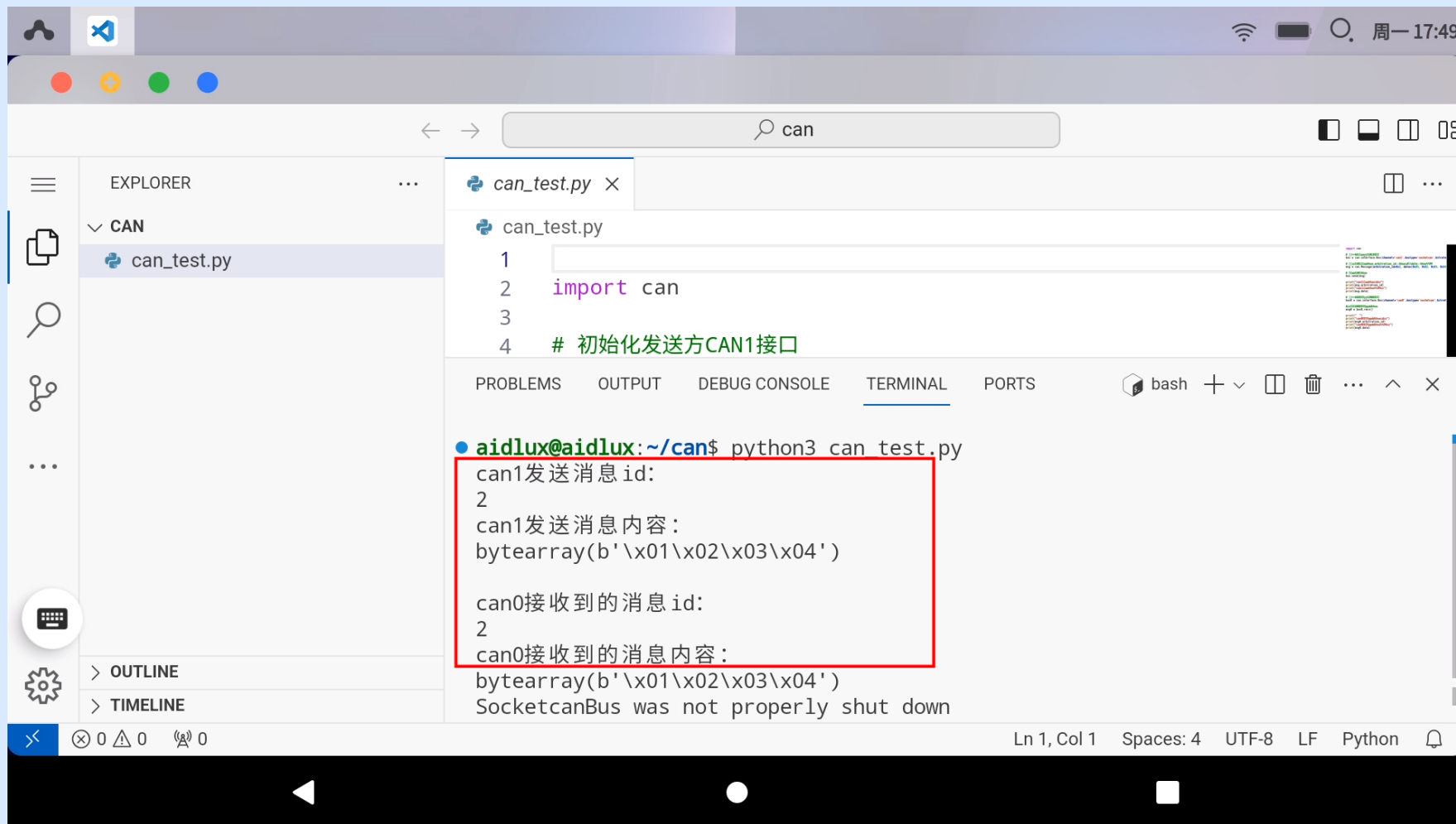


The image shows a code editor window with the following content:

```
1  
2 import can  
3  
4 # 初始化发送方CAN1接口  
5 bus = can.interface.Bus(channel='can1', bustype='socketcan', bit  
6  
7 # 创建CAN1发送消息, arbitration_id为消息id, data为消息内容  
8 msg = can.Message(arbitration_id=0x2, data=[0x01, 0x02, 0x03,  
9  
10 # 发送CAN1消息  
11 bus.send(msg)  
12  
13 print("can1发送消息id:")  
14 print(msg.arbitration_id)  
15 print("can1发送消息内容:")  
16 print(msg.data)  
17
```

The code is written in Python and uses the `can` library to interface with a CAN bus. It initializes the bus, creates a message with an arbitration ID of 0x2 and data [0x01, 0x02, 0x03], and then sends the message. Finally, it prints the arbitration ID and the data of the sent message.

Aidlux下CAN口工程效果演示



The screenshot displays a code editor with a file named `can_test.py` open. The code in the editor is as follows:

```
1  
2 import can  
3  
4 # 初始化发送方CAN1接口
```

Below the code editor, a terminal window shows the execution of the script:

```
aidlux@aidlux:~/can$ python3 can test.py  
can1发送消息 id:  
2  
can1发送消息内容:  
bytearray(b'\x01\x02\x03\x04')  
  
can0接收到的消息 id:  
2  
can0接收到的消息内容:  
bytearray(b'\x01\x02\x03\x04')  
SocketcanBus was not properly shut down
```

The output of the script is highlighted with a red box, indicating successful communication between the sender (can1) and the receiver (can0). The status bar at the bottom of the editor shows the current cursor position as Ln 1, Col 1, with 4 spaces, UTF-8 encoding, LF line endings, and the Python file type.

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Aidlux下CAN口工程代码分享

Aidlux下CAN口工程代码分享

工程链接: <https://pan.baidu.com/s/1TegAPboFZ2F7nOSwCO7f3w?pwd=nxea>

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