

```
1 from pymodbus.client.sync import ModbusTcpClient
2
3 # Verbindung zum Modbus-Server herstellen
4 client = ModbusTcpClient('192.168.1.100', port=502)
5 client.connect()
6
7 # Lesen eines Holding Registers (z.B. Registeradresse 30001)
8 register_address = 30001
9 response = client.read_holding_registers(register_address, 2, unit=1)
10 if not response.isError():
11     # Konvertierung der Registerwerte (z.B. Float32)
12     raw_data = response.registers
13     value = (raw_data[0] << 16) + raw_data[1]
14     print(f'Register {register_address} Value: {value}')
15 else:
16     print('Error reading register')
17
18 # Verbindung schließen
19 client.close()
```