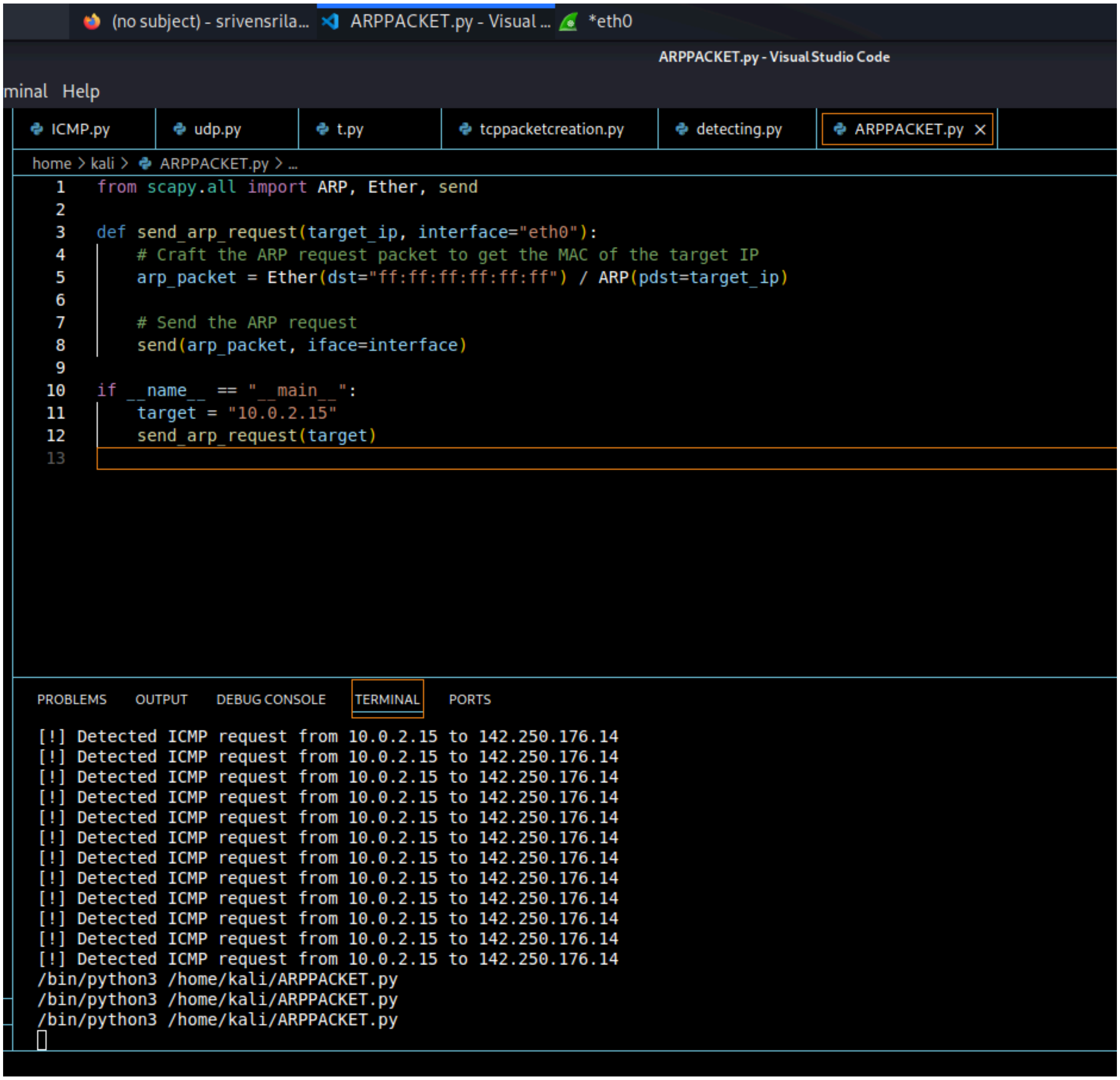
Create arp packet



```python
from scapy.all import ARP, Ether, send

def send_arp_request(target_ip, interface="eth0"):
    # Craft the ARP request packet to get the MAC of the target IP
    arp_packet = Ether(dst="ff:ff:ff:ff:ff:ff") / ARP(pdst=target_ip)

    # Send the ARP request
    send(arp_packet, iface=interface)

if __name__ == "__main__":
    target = "10.0.2.15"
    send_arp_request(target)

```

```
[!] Detected ICMP request from 10.0.2.15 to 142.250.176.14
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/bin/python3 /home/kali/ARPPACKET.py
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▯
```

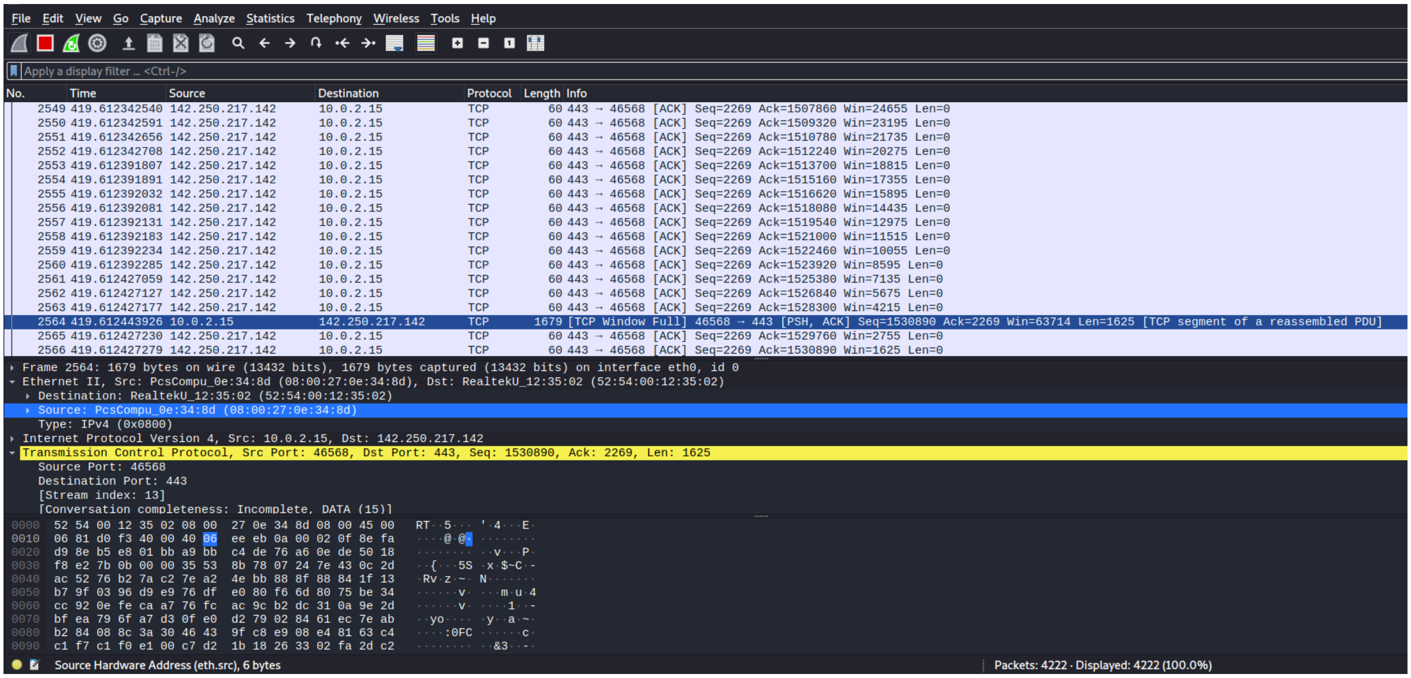

```
No.   Time          Source           Destination      Protocol Length Info
 2549 419.612342540 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1507860 Win=24655 Len=0
 2550 419.612342591 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1509320 Win=23195 Len=0
 2551 419.612342656 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1510780 Win=21735 Len=0
 2552 419.612342708 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1512240 Win=20275 Len=0
 2553 419.612391807 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1513700 Win=18815 Len=0
 2554 419.612391891 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1515160 Win=17355 Len=0
 2555 419.612392032 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1516620 Win=15895 Len=0
 2556 419.612392081 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1518080 Win=14435 Len=0
 2557 419.612392131 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1519540 Win=12975 Len=0
 2558 419.612392183 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1521000 Win=11515 Len=0
 2559 419.612392234 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1522460 Win=10055 Len=0
 2560 419.612392285 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1523920 Win=8595 Len=0
 2561 419.612427059 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1525380 Win=7135 Len=0
 2562 419.612427127 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1526840 Win=5675 Len=0
 2563 419.612427177 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1528300 Win=4215 Len=0
 2564 419.612443926 10.0.2.15        142.250.217.142  TCP      1679 [TCP Window Full] 46568 → 443 [PSH, ACK] Seq=1530890 Ack=2269 Win=63714 Len=1625 [TCP segment of a reassembled PDU]
 2565 419.612427230 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1529760 Win=2755 Len=0
 2566 419.612427279 142.250.217.142  10.0.2.15        TCP        60 443 → 46568 [ACK] Seq=2269 Ack=1530890 Win=1625 Len=0
```

```
▸ Frame 2564: 1679 bytes on wire (13432 bits), 1679 bytes captured (13432 bits) on interface eth0, id 0
▾ Ethernet II, Src: PcsCompu_0e:34:8d (08:00:27:0e:34:8d), Dst: RealtekU_12:35:02 (52:54:00:12:35:02)
  ▸ Destination: RealtekU_12:35:02 (52:54:00:12:35:02)
  ▸ Source: PcsCompu_0e:34:8d (08:00:27:0e:34:8d)
    Type: IPv4 (0x0800)
▸ Internet Protocol Version 4, Src: 10.0.2.15, Dst: 142.250.217.142
▾ Transmission Control Protocol, Src Port: 46568, Dst Port: 443, Seq: 1530890, Ack: 2269, Len: 1625
    Source Port: 46568
    Destination Port: 443
    [Stream index: 13]
    [Conversation completeness: Incomplete, DATA (15)]
```

```
0000  52 54 00 12 35 02 08 00  27 0e 34 8d 08 00 45 00   RT··5···  '·4···E·
0010  06 81 d0 f3 40 00 40 06  ee eb 0a 00 02 0f 8e fa   ····@·@·  ········
0020  d9 8e b5 e8 01 bb a9 bb  c4 de 76 a6 0e de 50 18   ········  ··v···P·
0030  f8 e2 7b 0b 00 00 35 53  8b 78 07 24 7e 43 0c 2d   ··{···5S  ·x·$~C·-
0040  ac 52 76 b2 7a c2 7e a2  4e bb 88 8f 88 84 1f 13   ·Rv·z·~·  N·······
0050  b7 9f 03 96 d9 e9 76 df  e0 80 f6 6d 80 75 be 34   ······v·  ···m·u·4
0060  cc 92 0e fe ca a7 76 fc  ac 9c b2 dc 31 0a 9e 2d   ······v·  ····1··-
0070  bf ea 79 6f a7 d3 0f e0  d2 79 02 84 61 ec 7e ab   ··yo····  ·y··a·~·
0080  b2 84 08 8c 3a 30 46 43  9f c8 e9 08 e4 81 63 c4   ····:0FC  ······c·
0090  c1 f7 c1 f0 e1 00 c7 d2  1b 18 26 33 02 fa 2d c2   ········  ··&3··-·
```

In the given wireshark image we see a mac address.