

Exercise 2:

Use Scapy to send a single SYN packet to a host (ex.: www.usman.cloud) . Receive a SYN/ACK response and print it, and Quit.

```
## Following Scapy code will return 1 packet, with SYN/ACK response: captures it in response variable
```

```
>> response = sr1(IP(dst="52.53.232.80")/TCP(dport=80,flags="S"))
```

```
## Define a function that extracts the 'SA' flag= SYN/ACK from response if there was a response,
```

```
>>> def flagSA( resp ):
...     if resp[TCP].flags.SA:
...         print('SYN/ACK received: ', resp[TCP].flags.SA, ' from host 52.53.232.80')
... 
```

```
## call the flagSA function that prints out a SYN/ACK flag from the packet.
```

```
>>> flagSA(response)
```

- Once SYN/ACK was received it quits

[illegible]