

```

1  #!/bin/bash
2
3  #Gather information for a specific internet device using ip and ping.
4
5  echo -n "Enter your device name: "
6  read device
7
8  while [ "$choice" != 0 ]; do
9      echo
10     echo "Enter 1 to get your device IP."
11     echo "Enter 2 to get your device MAC."
12     echo "Enter 3 to test your network using PING."
13     echo "Enter 0 to quit."
14     echo -n "Enter your choice: "
15     read choice
16     echo
17
18     if [ "$choice" = 1 ]; then
19         ip=$(ip addr show "$device" | grep -w inet | awk -F " " '{ print $2 }')
20         echo "$device ip: $ip"
21     elif [ "$choice" = 2 ]; then
22         mac=$(ip addr show "$device" | grep -w ether | awk -F " " '{ print $2 }')
23         echo "$device mac: $mac"
24     elif [ "$choice" = 3 ]; then
25         echo -n "Please give a website or IP to ping: "
26         read website
27         echo "Testing network by pinging $website..."
28         status=$(ping -c 10 "$website" | grep -w packets | awk -F "," '{ print
29 $3 }')
30         echo "Network strength: $status"
31     elif [ "$choice" = 0 ]; then
32         echo "Thank you, goodbye."
33     else
34         echo "That is not an option. Ending program."
35         break
36     fi
37 done

```