```
 1  from socket import *
 2  import sys
 3  import time
 4
 5  HOST = ''
 6  PORT = 5008
 7  SERVERHOST = ''
 8  SERVERPORT = 5009
 9  ADDRESS = "192.168.100.255"
10  WAITINGTIME = 10
11
12  def get_alivings(clientsocket):
13      serversock = socket()
14  #   serversock.setsockopt(SOL_SOCKET, SO_REUSEADDR, 1)
15      serversock.bind((SERVERHOST, SERVERPORT))
16
17      serversock.listen(300)
18      print('Waiting for connections...')
19
20      servernum = 0
21      tstart = time.time()
22
23      clientsocket.sendto(b'raspi_resreq', (ADDRESS, PORT))
24
25      while True:
26          clientsock, client_address = serversock.accept()
27          servernum += 1
28          print("Received[", servernum, "] from", client_address, ": ", clientsock.rec
            cv(4096))
29
30          clientsock.close()
31
32          tcurrent = time.time()
33          pasttime = tcurrent - tstart
34          #print(f"Past time: {pasttime}")
35
36          if (pasttime > WAITINGTIME):
37              break
38
39      serversock.close()
40
41      return servernum
42
43  s = socket(AF_INET, SOCK_DGRAM)
44  s.setsockopt(SOL_SOCKET, SO_BROADCAST, 1)
45  s.bind((HOST, PORT))
46
47  while True:
48  #   msg = raw_input("> ")
49  #   s.sendto(msg, (ADDRESS, PORT))
50      msg = input("si> ")
51  #   s.sendto(msg.encode(), (ADDRESS, PORT))
52      print(msg)
53
54  #   if msg == "h":
55  #       print(".")
56  #       print("reboot")
57  #       print("shutdown")
58  #       print("alivings")
59  #       break
60
61      if msg == ".":
62          break
63
64      if msg == "reboot":
65          s.sendto(b'raspi_reboot', (ADDRESS, PORT))
66          print('Paspberry-pi servers are rebooting')
67          break
68
69      if (msg == "shutdown" or msg == "halt"):
70          while True:
71              print('Raspberry-pi servers are shutting down')
72              s.sendto(b'raspi_shutdown', (ADDRESS, PORT))
73              if (get_alivings(s) == 0):
74                  break
75              sleep(5)
76
77      if (msg == "alivings"):
78          print("Alivings:", get_alivings(s))
79
80  s.close()
81  sys.exit()
82
83  print('Done')
84
```