import socket

def main():

print("1. Enter Host Name \n2. Enter IP address")

choice = int(input("Choice="))

if choice == 1:

host = input("\nEnter host name: ")

try:

address = socket.gethostbyname(host)

print("IP address: ", address)

print("Host name: ", host)

print("Host name and IP address: ", f"{host}/{address}")

except socket.gaierror:

print("Could not find", host)

elif choice == 2:

host = input("\nEnter IP address: ")

try:

address = socket.gethostbyaddr(host)

print("Host name: ", address[0])

print("IP address: ", host)

print("Host name and IP address: ", f"{address[0]}/{host}")

except socket.herror:

print("Could not find", host)

else:

print("Invalid choice")

if \_\_name\_\_ == "\_\_main\_\_":

main()

output-

1.Enter Host Name

2.Enter IP address

Choice=1

Enter host name: www.google.com

IP address: 173.194.206.104

Host name : www.google.com

Host name and IP address: www.google.com/173.194.206.104