Source code:

import socket  
  
def run\_client():  
 #setting up client TCP socket  
 client = socket.socket(socket.AF\_INET, socket.SOCK\_STREAM)  
  
 #server details. localhost  
 server\_ip = '127.0.0.1'  
 server\_port = 8888  
  
 #connecting client to server using server IP and port  
 client.connect((server\_ip, server\_port))  
  
 #receiving and printing 'Hello there!' from server  
 print(client.recv(1024).decode('utf-8'))  
  
 #sending 'HELLO [name]\n' to server  
 client.send(f"HELLO vedulapurapu.t\n".encode('utf-8'))  
  
 #running an infinite loop to receive and answer random number of MATH questions  
   
 while True:  
 #getting each MATH question details and displaying it on the screen  
 question = client.recv(1024).decode('utf-8')  
  
 #break the infinite loop if 'MATH' not found in the question  
 if (question[0:4] != 'MATH'):  
 print(question)  
 break  
 else:  
 #if it 'MATH' is found in quetion, then using eval() to calculate rest of the question  
 answer = int(eval(question[5:]))  
 #sending the answer in 'ANSWER [answer]\n' format  
 client.send(f'ANSWER {answer}\n'.encode('utf-8'))  
  
 client.close()  
  
run\_client()

Output:



