First, I want to start by saying thank you for taking the time to interview me at Microsoft online. I really enjoyed talking to you, as I always enjoy a challenge.

I want to personally say that I am sorry I did not understand the challenge that you presented. Therefore, I put a little extra time in the code I wrote and provided for you in my repository. I wrote four different functions to solve the questions I believe you asked. Even though we did not finish the code during the interview I really enjoyed talking to you, I can tell you love working for Microsoft and you love your team. I appreciate the passion that you showed for your work. I want to assure you that I will be able to show you the same at Microsoft one day, hopefully sooner rather than later!

Please take a look at my repository and the .py files I provided here:

/MicrosoftInterviews/interview1/

Thank you for your time and effort in the interview!

-Darius Smith