Hello Ulaş,

Thank you for taking the time to be part of our interview process for the Senior Software Engineer position at Blancco. It was a pleasure speaking with you and learning more about your experience and qualifications.

Please find the programming task details below. Once completed, kindly send it back to us by Wednesday, November 6th.
If you have any questions about the task, feel free to reach out, and we'd be happy to assist.

Identify-parser (C or C++)
Your task is to write a small C or C++ program that takes a filename as a command line parameter and prints out some information in human readable format to command line.

Inputs for the software (as a command line parameter):

- Binary file that contains SATA disk's response for ATA IDENTIFY command.

Outputs from the software (printed to command line):

- Model number
- Highest supported Ultra DMA mode (from Ultra DMA modes)
- SMART self-test supported (from command set/feature enabled/supported)

Resources:

- Three (3) sample binary files (identify1.bin, identify2.bin, identify3.bin), which are all IDENTIFY responses in binary format from real SATA disks.
    - download from https://download.blancco.com/SoftwareEngineerTasks/Task1.zip
- ATA command set standard that defines the structure of ATA IDENTIFY command's response (pages 91-116).
    - download from https://download.blancco.com/SoftwareEngineerTasks/D1699r3f-ATA8-ACS.pdf

Additional notes:

- After creating the parser, please create an MSI package for it that can be installed with msiexec and uninstalled using "Add or remove programs" from Windows control panel.
- Use git as version control for the project and include clone of the repository in the solution.

Best,
Irina