**Dynautics coding challenge**

You have been given a multi-channel Kvaser CAN adapter as detailed at:

https://www.kvaser.com/product/kvaser-usbcan-light-4xhs/

You need to write code in C or C++ to open a specified CAN channel for input and output. The

inputs to this function will be:

• Device serial number.

• Device channel number.

• Baud rate.

You can write a simple C function that outputs some sort of handle, or a skeleton C++ object

incorporating the channel which can be extended with additional functions to use the newly opened

channel.

**Note on time taken to solve this problem**

First, I went to the link provided to get information about the product. Then I realise to need to install the Kvaser CANlib SDK and the Kvaser driver. The download CANlib SDK contains libraries implemented in C++, which can be used to interface any Kvaser product. Then, I went through a tutorial in [Welcome to Kvaser CANlib SDK!](https://www.kvaser.com/canlib-webhelp/index.html). Lastly, I scanned through the tutorial to get the functions I needed to solve this task.

Overall, everything took me 9 hours. I submitted it late because I had been working all week. I could only test the code with the Kvaser virtual CAN installed with the driver as I don’t have the Kvaser product at home. The virtual CAN has two channels (channel numbers 0 and 1), and a serial number of 0.