**Purpose:**

The task for this challenge is to read the Linux CPU information from /proc/cpuinfo and display it using QML. The solution must run on a standard Linux system, preferably Ubuntu, and should be written using Qt C++ to read the system information and Qt Quick (not QWidget) to display the data. Qt version should be at least Qt 5.4.

**Solution Approach:**

This approach creates a QObject and exports it to QML.

I have created an application using integrated approach with interaction between C++ code and QML code. I have used a list View to display the "roc/cpuinfo" file's content by adding custom formatting to each line of the file and displayig as a part of the list view. ListView is defined in Main.qml file. The model used here is QStringListModel. It is supplied by the C++ code by exporting it as QObject property.

The model is created by:

* reading the file
* formatting the content
* populating the string list
* set this list as a string list of QStringListModel.

**How to run the application:**

* The minimum QT version required to run this application is 5.4
* Download the ‘[***QML\_CPU\_Info\_Display***](https://github.com/FaniBhushan/QML_CPU_Info_Display)***/build-CPUInfoDisplayUsingQObject-Desktop\_Qt\_5\_9\_0\_GCC\_64bit-Debug/***[***CPUInfoDisplayUsingQObject***](https://github.com/FaniBhushan/QML_CPU_Info_Display/blob/master/build-CPUInfoDisplayUsingQObject-Desktop_Qt_5_9_0_GCC_64bit-Debug/CPUInfoDisplayUsingQObject)’ file from the repository and save it to a folder
* Run the executable ‘[QMLCPUInfoDisplay](https://github.com/FaniBhushan/QMLMiniProject/blob/master/Desktop/QT/Projects/QMLCPUInfoDisplay/build-QMLCPUInfoDisplay-Desktop_Qt_5_9_0_GCC_64bit-Debug/QMLCPUInfoDisplay" \o "QMLCPUInfoDisplay)’ from either command prompt or from the saved location or by double clicking it.