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question on step 10 in section 12.7 (week C12) on robot car construction

Below is a cut and paste of section 10 of C12.7 / robot car construction.   (My questions follow the cut and paste of a blurb from step 10).

10) Battery - 8.4V NiMH or 11.1V LiIon. I bought the 8.4V NiMH batteries you see in the video as surplus a long time ago. I teach a real-time OS class where students write an OS then deploy it on a robot.....

Question:
Above it says that students in your real time OS class write an OS and then deploy it on a robot. Do they use the Keil IDE to do that (deploy their own written OS on their robot?)
The reason I ask is because I noticed in the Keil tools we select which OS we download, and in this class's case, it is the TExaS OS. But if your students in another class download
their own OS, I was wondering if they just place it in the same directory as the TExas OS, and download their own OS instead of TExaS OS. It would have to work with ARM though
for example, and any OS that was written for the Intel X86 for example would have to instead be written for the ARM, correct? So I was wondering when I saw your comment above if
this was how your students achieved the download of their own written OS to their own robot (just curious.)

Another Question:
Are there any plans to have the Keil IDE work on other desk top OS's such as Linux, or will it always run on Windows based computers? The reason I ask is because currently
I have to borrow my 11 year old son's lap top to do the labs, since my loaned desk top computer while unemployed has Linux on it! ;-) He does not take it with him to school, so
given I'm not working at the moment, I'm easily able to borrow it, but I was just wondering this as well.

c12

6 hours ago by Karen West

the students' answer, *where students collectively construct a single answer*

Click to start off the wiki answer

the instructors' answer, *where instructors collectively construct a single answer*

For the first question, the Texas OS just creates an option to call Texas DLLs in windows. This OS has nothing to do with embedded or microcontrollers. In Texas OS we write simulators for windows GUI. Ofcourse they interact with Keil but it is not something that runs on a launchpad. I took the OS course last year under him. We wrote the code in Keil just like you do. We had 7 labs, and by Lab 7 we had a Keil project which had entire OS C code (similar to one of your labs here) and we just downloaded the code and pressed reset to execute it.

As for question 2, I am not sure if Keil for linux will be available any time soon. I suggest either install virtual machine/ vine / or try with code composer studio

1 hour ago by Chinmaya Dattathri

followup discussions *for lingering questions and comments*