LAB PARTICIPANTS

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A BRIEF DESCRIPTION OF LAB 5 PROJECT

We decided to include measurements of the Chip-internal Temperature by Analog-Digital-Converter ADC0 into Controlling a microcontroller with the PC via UART protocol to achieve our fifth lab project which is functional and has been presented into the attached file of submission.

Procedures:

Firstly, we did the necessary port configurations which includes the configPortA, configuart0, configLedSW and configADC.

These configurations were called in the main function as a necessity for a proper structure of C code and we implemented an empty While Loop as stated in the lab task description.

Furthermore, we implemented the source file(startup_css.c) where we assigned the interrupt handler in the vector table and activated the portj in the interrupt vector table, which holds the start address of the interrupt handlers.