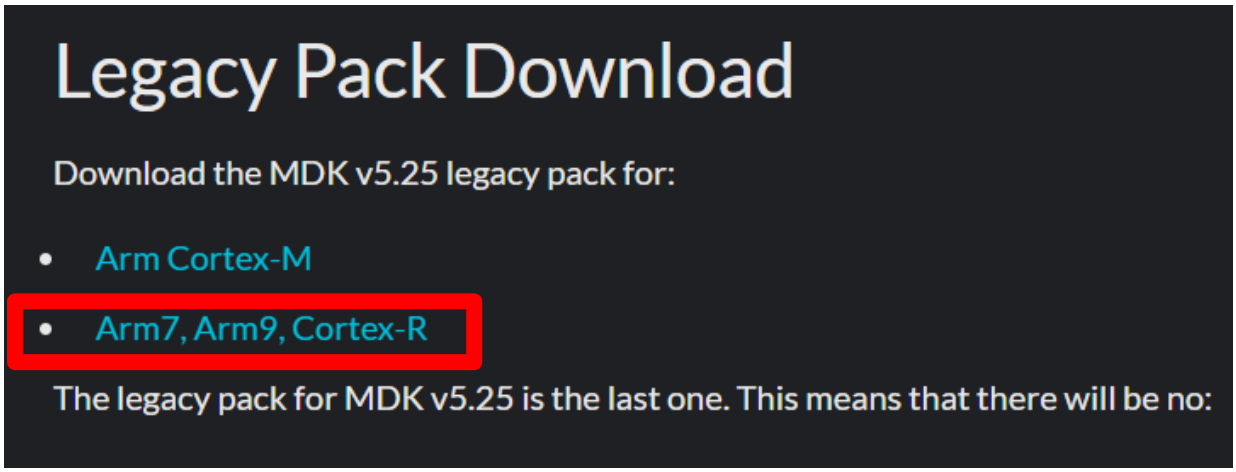
TED University
Department of Computer Engineering

CMPE 451, Section-1
Lab-7
ARM7: GPIO and Led Blinking

Before starting to Lab

- https://developer.arm.com/documentation/101407/0539/Creating-Applications/Tips-and-Tricks/Use-MDK-Version-4-Projects **(Go to this link and download the *Arm7,Arm9, Cortex-R*)**



- https://developer.arm.com/downloads/view/ACOMP5 (Go to this link and download the ***Arm Compiler 5.06 update 7(build 960) Win32***)

A- In this LAB, you will use

I. Keil µvision.

II. Proteus simulation software

B- Steps

I. Use LPC2148/ LPC2138 microcontroller and connect eight LEDs to P0.9– P0.16 usingProteus simulation software.

II. Program the microcontroller by using C programming on Keil µvision IDE. When your program runs, it should display binary number 100-255 on the LEDs in circularway. Use sufficient delay between two numbers so that the numbers are clearly visible.