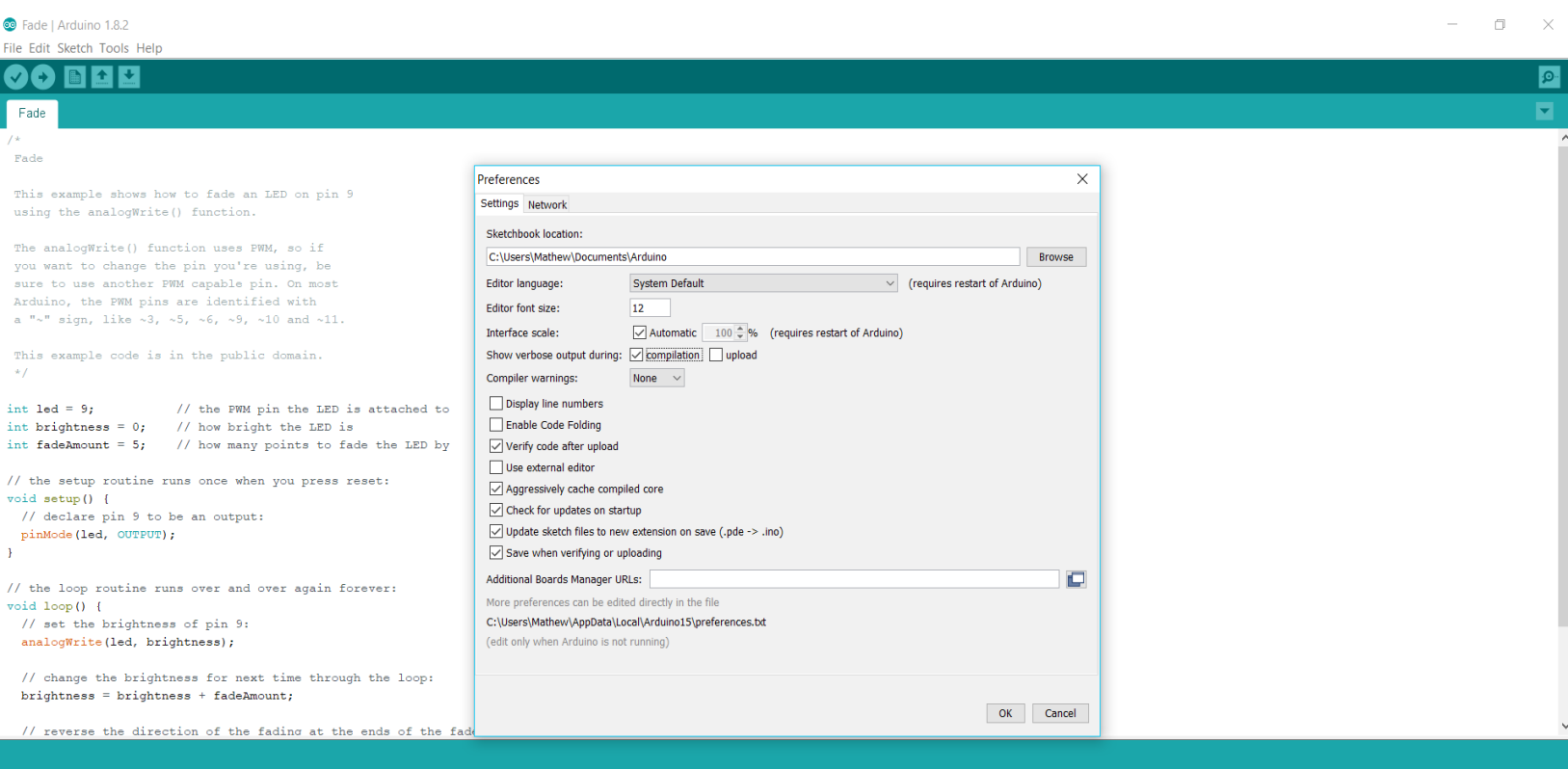# VACATION TASKS

SET-4

Proteus Simulation

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Tanush Biju

Simulating Arduino sketches using Proteus

- Simulating the 'Fade' Example sketch

Open Arduino IDE and from File>>Examples>>Basics select the 'Fade' sketch

Next Go to File>>Preferences and in the dialogue box that opens the 'show verbose output' during compilation is checked.
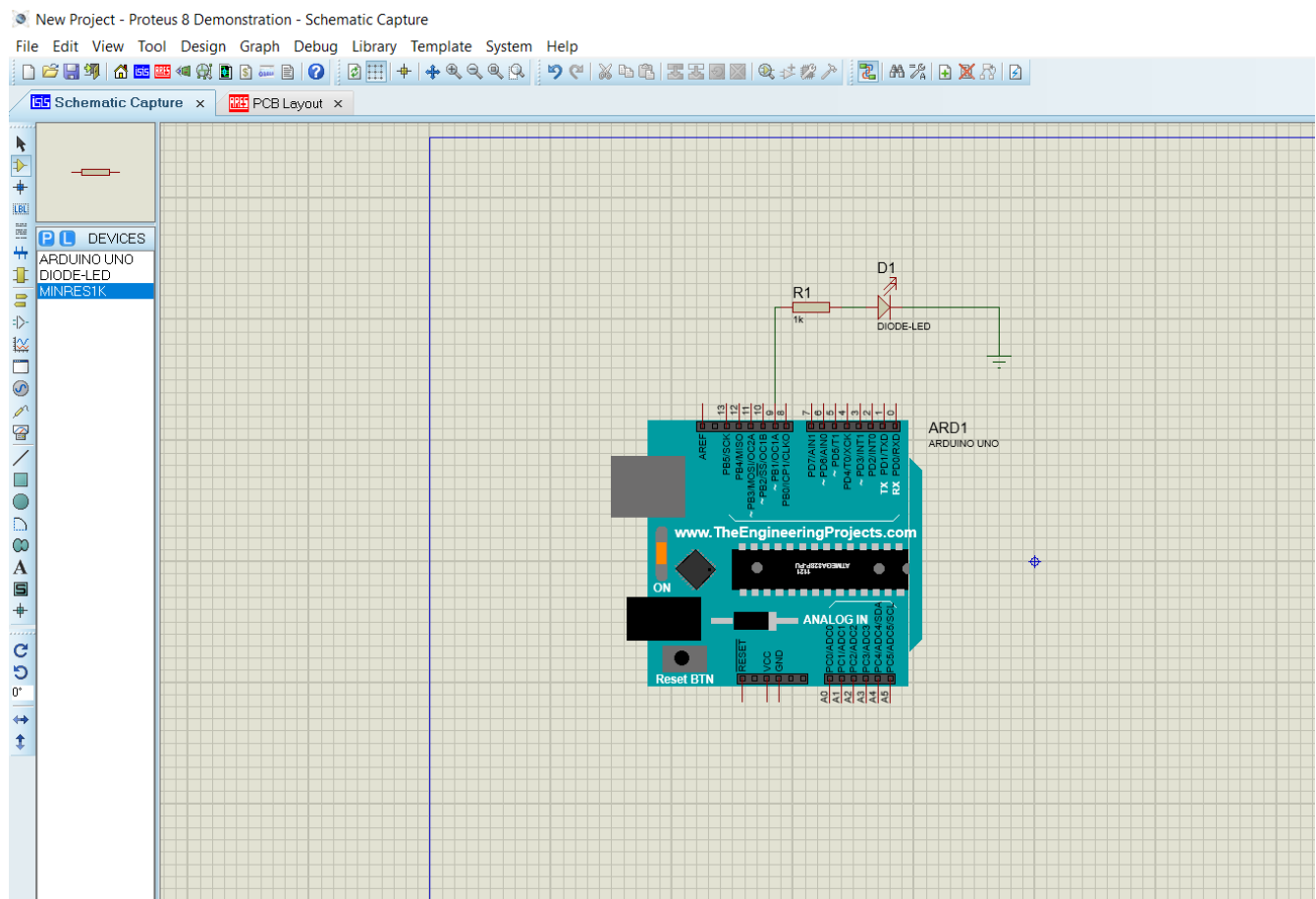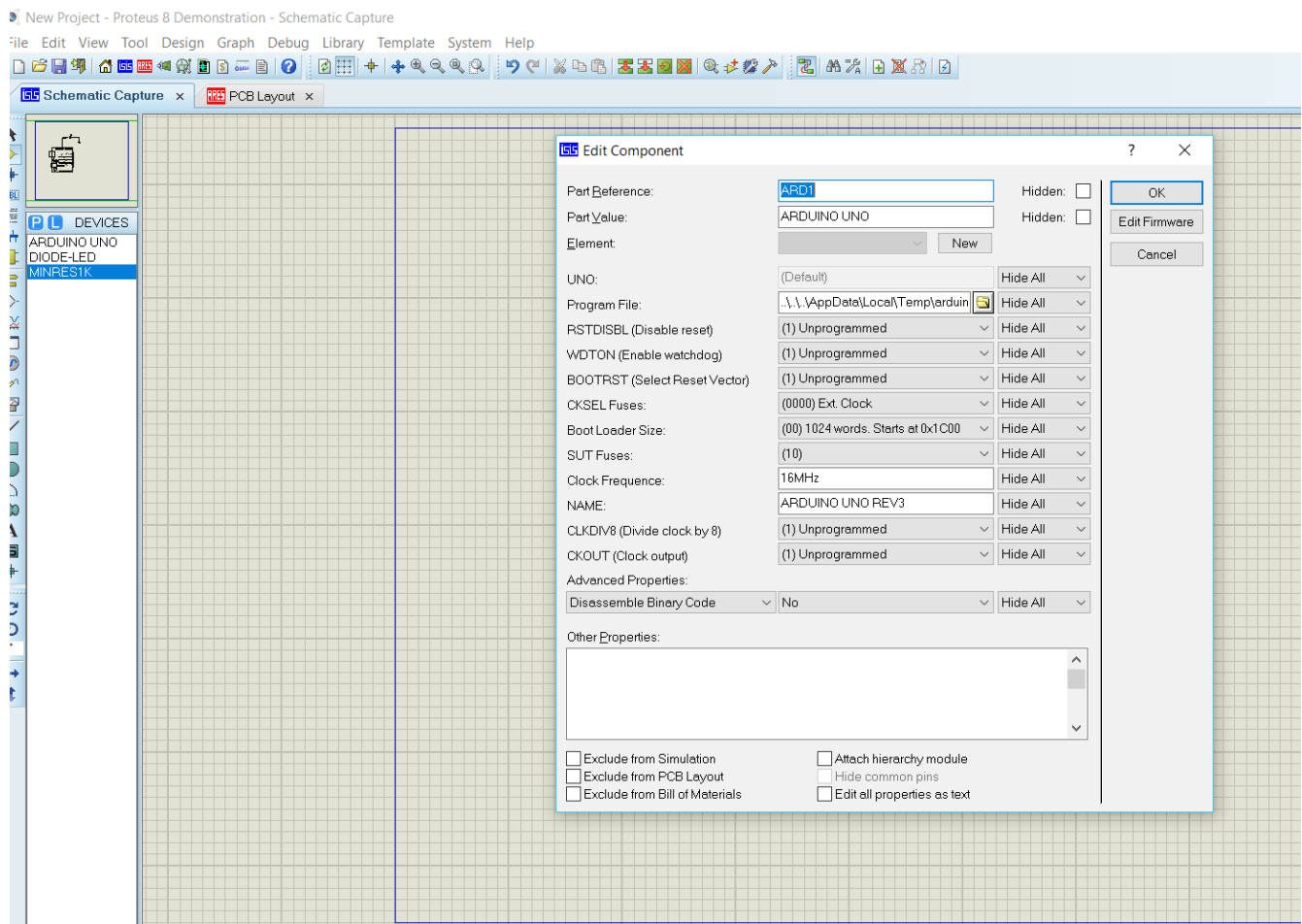

Now Compile the sketch

From the output, the location of the .hex file will be evident. It will look something like this "C:\Users\AppData\Local\Temp\arduino_build_224554/Fade.ino.hex"

Go to the location and copy the same file

- Open Proteus. Make sure that you possess the arduino libraries copied into the 'library' folder in the Proteus' program files

- Draw the Schematic as shown below

Double click on ARD1 and the following dialog box appears

in the 'Program File' part copy the .hex file and click on OK.

- Now Run the simulation using the 'play' button on the bottom left hand of the screen.