

Task 5.3D – Rpi Blink Morse Code using a GUI

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Q1. Take a video of your system demonstrating the outcome and upload it to YouTube. Include the link here.

<https://www.youtube.com/watch?v=KlbgCOgBwOw>

Q2. Create a repository on GitHub, name it Morse_GUI. Include the link to your repository here.

https://github.com/pscompsci/SIT210_Embedded_Programming/tree/main/Task_5_3D

Q3. How did you test your system?

Two approaches were used to test the system:

Circuit Testing:

For this, I connected the circuit and then added power separately directly to the LED +ve pin to ensure that the LED worked ok.

Code and Logic:

I wrote unit tests in a test.py file and ran those to ensure that the correct functionality was achieved for the task.

This also provide an end-to-end test of the system as the unit tests of the code also result in blinking of the LED, which provided visual confirmation that the circuit was connected correctly.