SIT210

EMBEDDED SYSTEM DEVELOPMENT

TASK:5.3d

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**Q1:** Take a video of your system demonstrating the outcome, and upload it to youtube. Include the link here.

**Answer:**

**Link to video:**

[**https://drive.google.com/drive/folders/1QCZB4SwPWCooNT4jCvW60cLKwToa6Uj5?usp=sharing**](https://drive.google.com/drive/folders/1QCZB4SwPWCooNT4jCvW60cLKwToa6Uj5?usp=sharing)

**Q2:** Create a repository on Github, name it Morse\_GUI. Include the link to your repository here.

**Answer:**

**Link to github:**

<https://github.com/Tina1409/Morse_GUI.git>

**Q3:** How did you test your system?

**Answer:**  To test the above system we need to do the following:

1. First, we need to setup our hardware. For hardware setup we require:

* Raspberry pi
* Breadboard
* Led
* Jumper wires
* Connecting cable to connect raspberry pi with laptop.

1. After collecting the hardware components, we need to integrate these components together using the appropriate connections, I have explained these connections in the video. After connections , we need to run the python script to it.
2. For writing the python code, first import required libraries, then write the code to setup a gui interface showing a text box and a button.
3. Next, compile the program and check for error handling, correct the code and run it again. Then we are left with the testing the program with the hardware. For this write characters (up to 12) in the text box shown as per task sheet, and check whether the led blink in the Morse code provided by you in the code.
4. After for the above steps, we have tested our system and can say that it run successfully.