***SIT210-EMBEDDED SYSTEMS***

*TASK2.1P*

Q1: Describe the steps required to modify the code to blink your last

name instead?

If I need to blink my last name then I could simply add my last name instead of my first name in void loop() under if(nameBlinking).

void loop() {

  static bool pushbuttonState = HIGH;

  static bool previousButtonState = HIGH;

  static bool nameBlinking = false;

  pushbuttonState = digitalRead(buttonPin);// what is button status

  if (pushbuttonState == LOW && previousButtonState == HIGH) {

    nameBlinking = !nameBlinking;

    if (nameBlinking) {

      // Starts blinking the name

      const char name[] = "ASHIMA";

      for (int i = 0; i < sizeof(name) - 1; i++) {

        blinkLetter(name[i]);

        delay(lettertime);

      }

      delay(wordtime);

    }

  }

Q2: Discuss the effectiveness of your modifications. Reflect on how you should modify your code to be reusable and modular to adapt quickly to changes in requirements.

The push button makes it easier to use the code as and when needed. If the push button state is high, there is some change in voltage and Arduino makes output accordingly.

To make it more effective, I could have added the whole abcd alphabets and some of the special characters those can be depicted in the morse code; so that I can reflect any word/letter/digit etc that I want.

Q3: Create a repository named BlinkName on Github. Upload your code to the repository. Include the link to your repository here.

Q4: Take a five second video of your Arduino board with the LED blinking your first name and upload it to youtube. Include the link here.