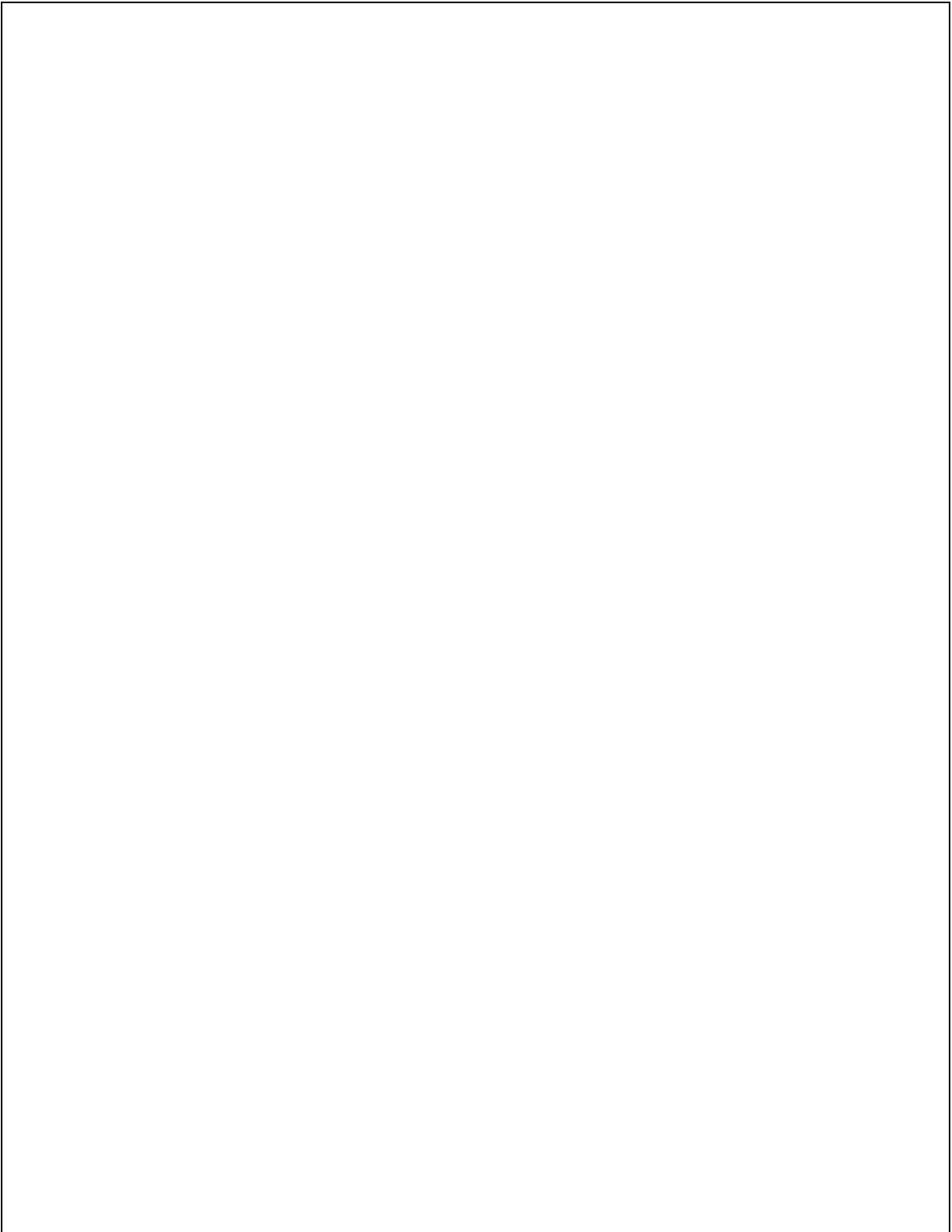**RESULTS:**

TASK 1

1. Attach screen shot of LED circuit with LEDs chasing (any LED light up).

TASK 2

1. Attach screen shot of new LED circuit.

2. Write modified program.

3. Attach screen shot of new LED circuit with LED 5 and 6 light up with push BUTTON is pressed.

DISCUSSION

1. Explain the function of *for (int thisPin = 3; thisPin < 12; thisPin++)* in the program.

    (4 marks)

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2. Write the function of *ledBlink()* if LED 1 and LED 10 used to blink ON and OFF for 300ms delay.

    (7 marks)

3. Sketch a circuit of push BUTTON with PULL-UP resistor to any Arduino UNO pin (just 1 pin label) for trigger-LOW (Active LOW) function.

    (5 marks)

4. Discuss your observation on this experiment and relate your finding to objectives.

(10 marks)

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CONCLUSION

Conclude this experiment relate to result obtain.

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