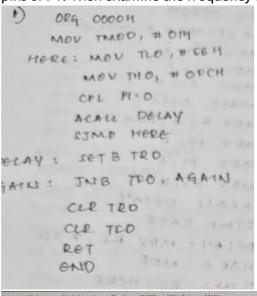
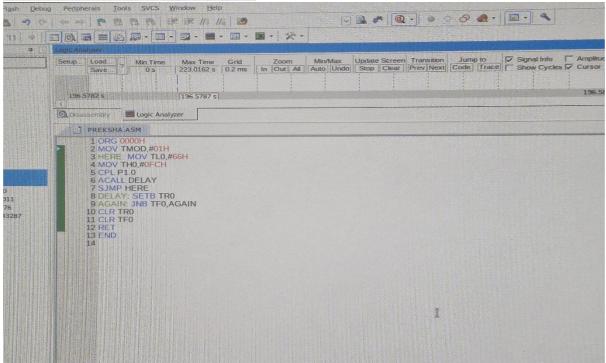
Task 3

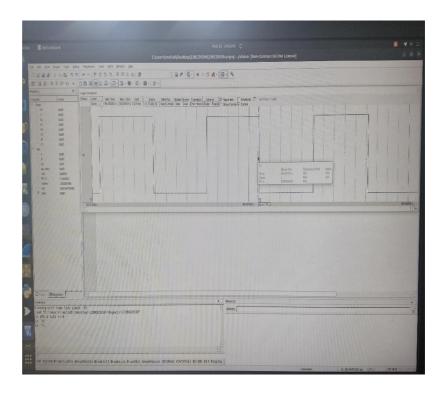
REG NO: 23BCE2001

NAME: G.Siddarth

Q1: Write a program using timer 0 to generate a 500 Hz square wave frequency on one of the pins of P1. Then examine the frequency usig the KEIL IDE inbuilt Logic Analyzer.

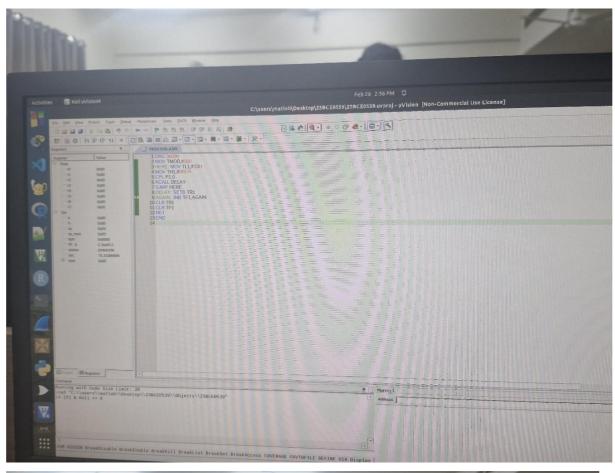


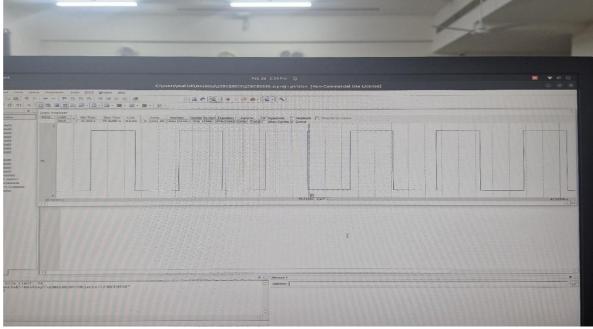




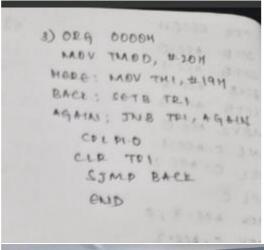
Q2: Write a programusing timer 1 to generate a 1kHz square wave frequency on one of the pins of P1

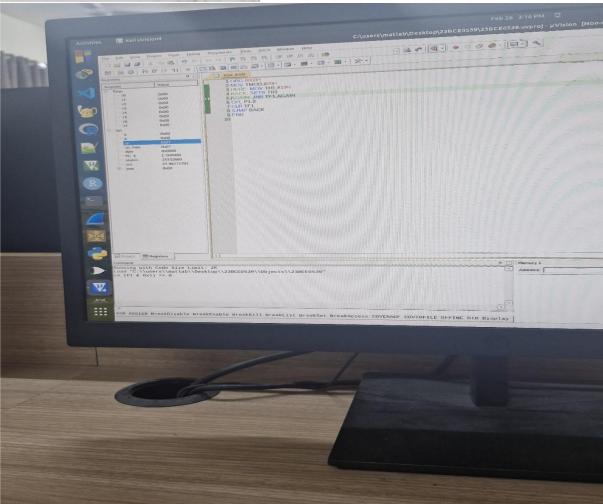
```
2) 089 00004
  MOU TMOD, #10H
  HERE: MOV TU, # 33H
       MOV THI, HOTEH
       CPL PI-0 349
       ACALL
            HEDE
      SJMP
        SETB TRI
AGAIN: JNB TEI, AGAIN
           TRI
      CLR
      CIR
      RET
      END
           E - 224 12
```





Q3: Write a program using timer 1 to generate a 2 KHz square wave frequency on one of the pins of P1.0. Then examine the frequency using the KEIL IDE inbuilt Logic Analyzer







Q4: Assuming that clock pulses are fed into pin T1, write a program for counter 1 in mode 2 to count the pulses and display the state of the TL1 count on P2, which connects to 8 LEDs.

