Lab 5

- 1- Write a C program using a Timer (Normal mode) to generate a 500 Hz square wave frequency on pin PORTC.2.
 - a. Then examine the frequency using the oscilloscope.
 - b. Modify the count value to make sure that the frequency is exactly 500 Hz.
- 2- Rewrite task 1, using the CTC mode with 1000Hz.
- 3- Connect a key to PORTD.4. Using Timer/Counter0, write a C program to output high PORTB.5, when the key is pressed, 5 times then low when the key is pressed 3 times.







