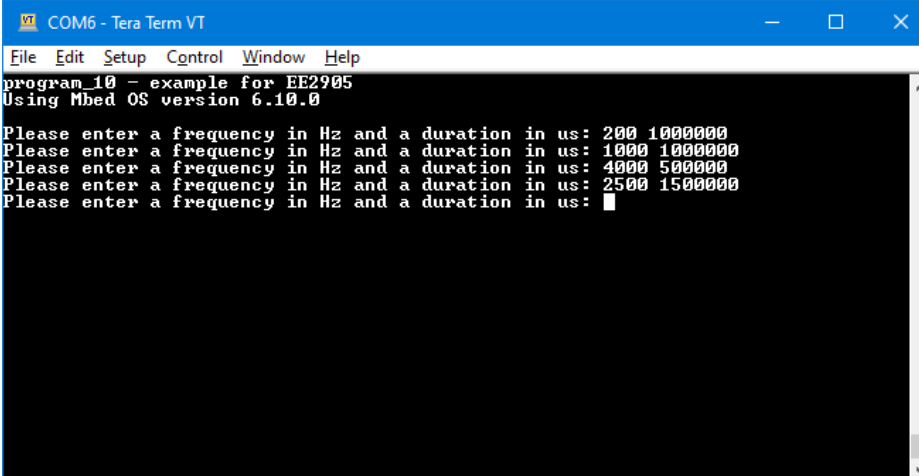# EE 2905

Dr. Johnson

Program 10

No capabilities beyond those discussed in class or in the notes are allowed

Write a program to ask the user for an output frequency and duration, then create the output using a pwm for the desired frequency. Output the value to the speaker for the desired duration. Use Hz for the frequency and us for the duration

```c
// function prototypes
void get_input(int * freq, int * length);
void output_note(int per, int length);
```



```
program_10 - example for EE2905
Using Mbed OS version 6.10.0

Please enter a frequency in Hz and a duration in us: 200 1000000
Please enter a frequency in Hz and a duration in us: 1000 1000000
Please enter a frequency in Hz and a duration in us: 4000 500000
Please enter a frequency in Hz and a duration in us: 2500 1500000
Please enter a frequency in Hz and a duration in us: █
```