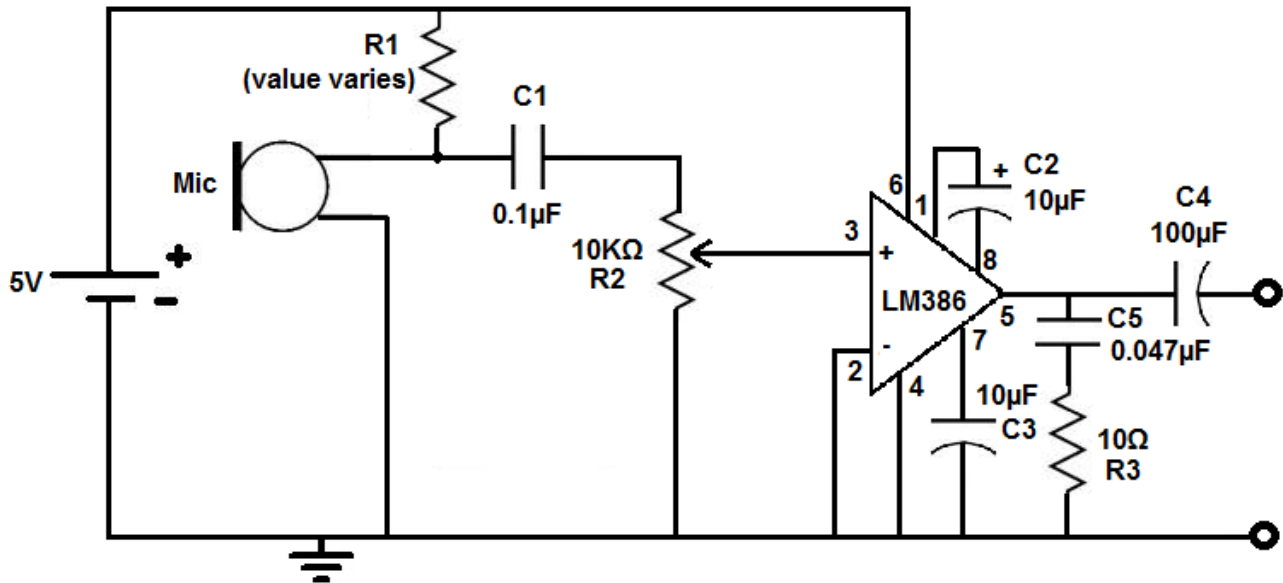


Lab 3

Audio amplifier circuit and ADC system

Use the available components to assemble the circuit in the picture.



Open the E.P.I.K. program and connect to the Raspberry Pi Board.

Configure the ADC of the Raspberry Pi in order to properly sample the incoming signal without incurring in aliasing (see configuration commands in sec. 2-Peripherals).

Set the ADC as microphone for the board, and then launch the E.P.I.K. native voice recognition program (sec 5-Advanced Libraries). E.P.I.K. will print on its screen what it hears.

Once you've checked that the microphone/ADC system works properly, you are ready to enable the speech interaction ability of E.P.I.K.!!!