

***Lebanese International University***

***School of Engineering***

Department of Electrical Engineering

CENG352L— Electronics Lab

Section ID: B

Report ID: Electronics Project

Project Title: Siren

**(5 points)**

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**(5 points)**

# Objectives of the Experiment (20 points)

To understand transistir applications

# Equipment used in this Experiment (10 Points)

-1k, 27k, and 47k resistors

-BC547 and BC557 transistors

-A speaker

-DC power supply

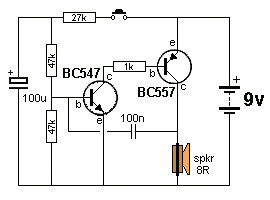
-100u and 100n capacitors

# Experiment I (10 Points)

## Description of Experiment I

This circuit produces a wailing or siren sound that gradually increases and decreases in frequency as the 100u charges and discharges when the push-button is pressed and released.  In other words, the circuit is not automatic. You need to press the button and release it to produce the up/down sound.

## Procedure of Experiment I

fig1

Connect the circuit according to fig1, push the button to produce the siren sound, push again to turn it off.

## Results

Once the button is pushed, the speaker produces a siren like sound, on second press the sound stops.

# Experiment II (10 Points)

## Description of Experiment II

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## Procedure of Experiment II

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## Results

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# Experiment III (10 Points)

## Description of Experiment III

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## Procedure of Experiment III

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## Results

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# Experiment IV (10 Points)

## Description of Experiment IV

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## Procedure of Experiment IV

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## Results

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# Conclusion (20 Points)

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