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and capabilities](#) [PIC16F877A a basic Introduction](#)

[PIC Microcontroller Introduction | Features and](#)

[PIN Description](#) [Lecture 21: Introduction to PIC](#)

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reacting to inputs PIC

microcontroller

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**16F877 -**

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understand all of this to avoid confusion and errors while programming. First, some terms need to be understood. GPIO pins have tri-state logic [...] A PIC microcontroller is a processor with built in memory and RAM and you can use it to control your projects (or build projects around it). So it saves you building a circuit that has separate external RAM, ROM and peripheral chips. What this really means for you is that you have a very powerful device that has many useful built in modules e.g.

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Tutorial. These pages will take you from the basic structure of the device, right through to programming methods and techniques. Also, there will be suggestions on how to modify the code so that you can adapt the PIC to suit your applications within Cybot.

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PIC (usually pronounced as "pick") is a family of microcontrollers made by Microchip Technology, derived from the PIC1650 originally developed by General Instrument's Microelectronics Division. The name PIC initially referred to Peripheral Interface Controller, and is currently expanded as Programmable

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Introduction to PIC  
microcontroller **PIC uC**

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Introduction to PIC  
microcontrollers and  
capabilities**

**PIC16F877A a basic  
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Introduction to PIC  
Microcontroller Part I :  
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Part 1

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Microcontroller Tutorial  
in English Module 01-

Lecture 02 Introduction  
to Microchip and PIC  
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*3 - Reading and*

*reacting to inputs PIC*

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*Create! - 01 Setting up*

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### **introduction**

Working with

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Table of Contents:  
0:00 Introduction 0:38  
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