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Programs like Py2exe or Pyinstaller will package your Python code into

stand-alone executable programs. BONUS: Download the Raspberry Pi programming cheat sheet - a one page PDF guide with instructions on how to create and execute C programs, Python programs, and Shell scripts. What Can a Python Program Do?

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open up a Python script from the desktop. Our first program is going to act like a door with a password.

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Open this by firstly clicking the Raspberry Pi symbol in the top left and then under Programming on "mu". If you don't see this option, you can either install it (Preferences -> Recommended Software) or also use the Thonny Python IDE. First, you are asked for the Editor Mode. Select Python 3.

The Raspberry Pi is a fully-fledged mini computer, capable of doing whatever you might do with a computer. It comes with 4x USB, HDMI, LAN, built-in Bluetooth/WiFi support, 1GB RAM, 1.2GHz quad-core ARM CPU, 40 GPIO (General Purpose Input Output) pins, audio and composite video output,

and more.

To program the GPIO pins on Raspberry Pi with Python, there is a Raspberry Pi GPIO Python library that is made available. The following command is used to install the GPIO library for Python 3: sudo apt-get install python3-rpi.gpio

Many languages can be used but Python is the most convenient for the Raspberry Pi because convenient APIs are provided for basic operations such as controlling the pins. Python is a powerful language with useful features that we will present so that you can use these features to control the Raspberry Pi.

For Python to run any platform, it requires a Python Interpreter, and since Linux, an OS for the Raspberry Pi has been written for it, running of Python Interpreter has no issues. Hence, it is used for the Raspberry Pi, starting off as a scripting language to a full-fledged programming language option for software configurations! vi Sams Teach Yourself Python Programming for Raspberry Pi in 24 Hours Learning About the Python Interpreter.50 ...

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