

Project 1: Hello World

Dear all, now let's begin our first project of Raspberry Pi Starter Kit with Keyes robot.

First, place our program file (see attachment) to the user folder "Pi" using SFTP protocol; initiate shell command terminal; enter LS command as below picture; click “enter” to check all files in the folder, folders in blue, executable files in green, regular files including c file, python file, TXT etc In white.

Next, input CD command to enter our file folder; click tab will complement folder name and command name; double click tab will list all folders under that catalog. Enter CD command again to enter project 1 "Hello World" as below picture. Then, input GCC command to compile "Hello World".

C file will generate executable file. After that, input LS command to check folder content. you can see a "Hello World" executable file in green. Finally, input the executable file generated by executing SUDO command. We can see the program execution result as below picture. Enter ctrl + c to end program execution.

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pi@raspberrypi: ~/树莓派保姆级教程6-搭建欢迎界面和定时任务: Hello World
pi@raspberrypi ~$ ls
1234.txt      bcm2835-1.35.tar.gz  hellozzlc.c      README.md        zzl1602.py       zzlvim.txt
1602          blink               hellozzlc.c.save  sftp.txt         zzlcbblink.c     zzlzwiblink
1602.c        blink.py            hellozzl.py       sketchbook       zzlceshi         树莓派基础套件程序资料
1602python.txt  button.py           lcd8_bb.png       test.txt         zzlceshi.c       zzlceshi.c
a1602.py      button.py.save      ocr_pi.png        wiringPi         zzlceshi.c.save  zzlceshi.c.save.1
a.out         c1602.py            pi-screen-master  zzl1602.c        zzlceshi.c.save.1
b1602.py      clock.py            projects          zzl              zzl.py
bcm2835-1.35  Desktop            python_games      zzl1602pi2.py   zzlvim2

pi@raspberrypi ~$ cd 树莓派基础套件程序资料/
pi@raspberrypi ~/树莓派基础套件程序资料$ ls
第一课  Hello World      第五课  流水灯          第十五课  74hc595IO输出扩展  串行输入并行输出
第七课  RGB LED三彩      第八课  蜂鸣器          第十八课  红外遥控  红外接收解码
第三课  PWM灯控制        第六课  交通灯          第十六课  8x8点阵
第九课  光控声音         第十一课  per8591模拟信号读取  第十四课  四位数码管
第二十一课  1602液晶屏C语言版本  第十七课  7219驱动8x8点阵  第十课  倾斜开关
第二十二课  1602液晶屏python版本  第十三课  一位数码管      第四课  softpwm灯控制
第二十课  舵机python控制
第二课  LED闪烁          第十二课  LM35温度传感器

pi@raspberrypi ~/树莓派基础套件程序资料$ cd 第一课\ \ Hello\ World/
pi@raspberrypi ~/树莓派基础套件程序资料/第一课  Hello World$ ls
HelloWorld.c
pi@raspberrypi ~/树莓派基础套件程序资料/第一课  Hello World$ gcc -Wall -o HelloWorld HelloWorld.c -lwiringPi
pi@raspberrypi ~/树莓派基础套件程序资料/第一课  Hello World$ ls
HelloWorld HelloWorld.c
pi@raspberrypi ~/树莓派基础套件程序资料/第一课  Hello World$ sudo ./HelloWorld
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
^Cpi@raspberrypi ~/树莓派基础套件程序资料/第一课  Hello World$

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