

编写简单的消息发布器和订阅器（C++）

AI 航 团队

1 启动发布者

确保 roscore 可用，并运行：

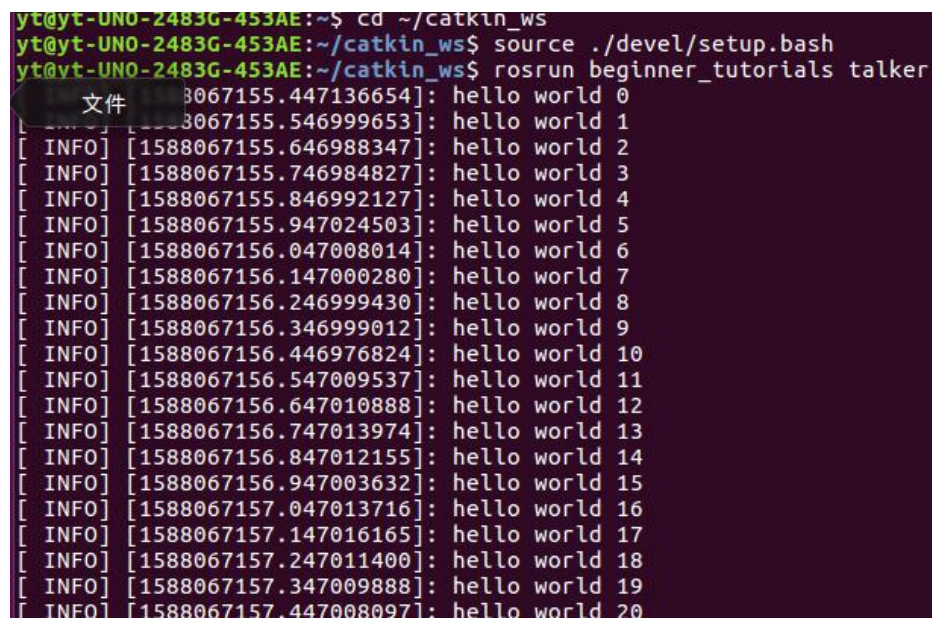
```
$ roscore
```

catkin specific 如果使用 catkin，确保你在调用 catkin_make 后，在运行你自己的程序前，已经 source 了 catkin 工作空间下的 setup.sh 文件：

在上一个教程中我们制作了一个叫做"talker"的消息发布者，让我们运行它：

```
$ rosrn beginner_tutorials talker (C++)
```

你将看到如下的输出信息：



```
yt@yt-UN0-2483G-453AE:~$ cd ~/catkin_ws
yt@yt-UN0-2483G-453AE:~/catkin_ws$ source ./devel/setup.bash
yt@yt-UN0-2483G-453AE:~/catkin_ws$ rosrn beginner_tutorials talker
文件 3067155.447136654]: hello world 0
[ INFO ] [3067155.546999653]: hello world 1
[ INFO ] [1588067155.646988347]: hello world 2
[ INFO ] [1588067155.746984827]: hello world 3
[ INFO ] [1588067155.846992127]: hello world 4
[ INFO ] [1588067155.947024503]: hello world 5
[ INFO ] [1588067156.047008014]: hello world 6
[ INFO ] [1588067156.147000280]: hello world 7
[ INFO ] [1588067156.246999430]: hello world 8
[ INFO ] [1588067156.346999012]: hello world 9
[ INFO ] [1588067156.446976824]: hello world 10
[ INFO ] [1588067156.547009537]: hello world 11
[ INFO ] [1588067156.647010888]: hello world 12
[ INFO ] [1588067156.747013974]: hello world 13
[ INFO ] [1588067156.847012155]: hello world 14
[ INFO ] [1588067156.947003632]: hello world 15
[ INFO ] [1588067157.047013716]: hello world 16
[ INFO ] [1588067157.147016165]: hello world 17
[ INFO ] [1588067157.247011400]: hello world 18
[ INFO ] [1588067157.347009888]: hello world 19
[ INFO ] [1588067157.447008097]: hello world 20
```

2、启动订阅器

发布者节点已经启动运行。现在需要一个订阅器节点来接受发布的消息。

```
yt@yt-UNO-2483G-453AE:~$ rosrn beginner_tutorials listener
[ INFO] [1588067201.647283637]: I heard: [hello world 462]
[ INFO] [1588067201.747271474]: I heard: [hello world 463]
[ INFO] [1588067201.847256848]: I heard: [hello world 464]
[ INFO] [1588067201.947279988]: I heard: [hello world 465]
[ INFO] [1588067202.047275964]: I heard: [hello world 466]
[ INFO] [1588067202.147293757]: I heard: [hello world 467]
[ INFO] [1588067202.247328499]: I heard: [hello world 468]
[ INFO] [1588067202.347249679]: I heard: [hello world 469]
[ INFO] [1588067202.447239597]: I heard: [hello world 470]
[ INFO] [1588067202.547230243]: I heard: [hello world 471]
[ INFO] [1588067202.647242715]: I heard: [hello world 472]
[ INFO] [1588067202.747250709]: I heard: [hello world 473]
[ INFO] [1588067202.847242808]: I heard: [hello world 474]
[ INFO] [1588067202.947272513]: I heard: [hello world 475]
[ INFO] [1588067203.047215783]: I heard: [hello world 476]
[ INFO] [1588067203.147282103]: I heard: [hello world 477]
[ INFO] [1588067203.247248826]: I heard: [hello world 478]
[ INFO] [1588067203.347264196]: I heard: [hello world 479]
[ INFO] [1588067203.447282252]: I heard: [hello world 480]
```