

首先，我们创建 `dev` 分支，然后切换到 `dev` 分支：

```
admin@zebin MINGW64 /d/BlueTestTry/bluetooth (master)
$ git checkout -b dev
Switched to a new branch 'dev'
```

```
admin@zebin MINGW64 /d/BlueTestTry/bluetooth (dev)
$ git branch
* dev
  master
```

和远程仓库建立连接。

```
admin@zebin MINGW64 /d/BlueTestTry/bluetooth (dev)
$ git push
fatal: The current branch dev has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin dev
```

```
admin@zebin MINGW64 /d/BlueTestTry/bluetooth (dev)
$ git push --set-upstream origin dev
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'dev' on GitHub by visiting:
remote:   https://github.com/ZebinGao/bluetooth/pull/new/dev
remote:
To github.com:ZebinGao/bluetooth.git
 * [new branch]      dev -> dev
Branch 'dev' set up to track remote branch 'dev' from 'origin'.
```

然后，我们就可以在 `dev` 分支上正常提交，比如对 `readme.txt` 做个修改，加上一行，然后提交。现在，`dev` 分支的工作完成，我们就可以切换回 `master` 分支

```
admin@zebin MINGW64 /d/BlueTestTry/bluetooth (dev)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

admin@zebin MINGW64 /d/BlueTestTry/bluetooth (master)
$
```

`git merge` 命令用于合并指定分支到当前分支。合并后，再查看 `readme.txt` 的内容，就可以看到，和 `dev` 分支的最新提交是完全一样的。

注意到上面的 `Fast-forward` 信息，Git 告诉我们，这次合并是“快进模式”，也就是直接把 `master` 指向 `dev` 的当前提交，所以合并速度非常快。

当然，也不是每次合并都能 `Fast-forward`，我们后面会讲其他方式的合并。

合并完成后，就可以放心地删除 `dev` 分支了：

```
admin@zebin MINGW64 /d/BlueTestTry/bluetooth (master)
$ git merge dev
Updating 2ee2e28..86b33dd
Fast-forward
 readme.txt | 3 ++-
 1 file changed, 2 insertions(+), 1 deletion(-)
admin@zebin MINGW64 /d/BlueTestTry/bluetooth (master)
$ git branch -d dev
warning: not deleting branch 'dev' that is not yet merged to
       'refs/remotes/origin/dev', even though it is merged to HEAD.
error: The branch 'dev' is not fully merged.
If you are sure you want to delete it, run 'git branch -D dev'.

admin@zebin MINGW64 /d/BlueTestTry/bluetooth (master)
$ git branch -D dev
Deleted branch dev (was 86b33dd).
```