**Author : Xiang Chen**

**Purpose**: Combine all messy commits into one commit before merging to Master branch

**Why**: Clean Code Style

*Messy and Multiple commits are not allowed in the tier-one tech company. You will get poor peer review if you do so.*

**How**:

Assume we have a new branch name capistrano-configuration which is branched out from Master. Inside capistrano-configuration branch, there are a lot of messy commits as we change a piece of code many times and deploy to the staging server with cap staging deploy command.

Once we type git log, the commit logs will be:

commit 8eb3a6e68a2453e602c346d43f0c1229dc159221  
Author: Someth Victory <victory.someth@gmail.com>  
Date: Tue Aug 25 14:09:31 2015 +0700  
  
 Remove unused code  
  
commit 59e4f4290e0940da42a66673cfc026e5c8e735c9  
Author: Someth Victory <victory.someth@gmail.com>  
Date: Tue Aug 25 10:57:25 2015 +0700  
  
 Change some config and update style  
  
commit 2bf99e1d42e769e9e4029da1139cde1d83523b3e  
Author: Someth Victory <victory.someth@gmail.com>  
Date: Tue Aug 25 09:48:33 2015 +0700  
  
 Update stylesheet  
  
commit 8781bc74904c7b986d6ead74272fce48837b06a3  
Author: Someth Victory <victory.someth@gmail.com>  
Date: Tue Aug 25 09:30:04 2015 +0700  
  
 Update font color to black  
  
commit 423dc810588270ac23878493b143c55c8856b8dc  
Author: Someth Victory <victory.someth@gmail.com>  
Date: Tue Aug 25 09:24:15 2015 +0700  
  
 Update import stylesheet  
  
commit d366250fe6db29bd744e006629806b770da68173  
Author: Someth Victory <victory.someth@gmail.com>  
Date: Mon Aug 24 17:32:33 2015 +0700  
  
 Update style

As you see that the commit logs are very messy and meaningless. We still actually could merge capistrano-configuration into master, but it's not a good practice as it will pollute the commit message in master.

The ideal solution is to combine all the commits into only one meaningful commit message.

### **Step 1: Create another branch from the latest master**

Assume that you are on your latest master branch.

git checkout -b capistrano-config

### **Step 2: Merge capistrano-configuration into capistrano-config with --squash option**

git checkout capistrano-config  
git merge --squash capistrano-configuration  
git commit # without -m

An editor should be popup with all the commit logs, and files changed from capistrano-configuration. You could actually delete everything, and write only one line of the commit message you want to show after merging into master. In this case, we write "Setup Capistrano Configuration". Save and quite the editor.

### **Step 3: Merge your newly created branch into master**

Last but not least, you could actually merge capistrano-config into master now.

git checkout master  
git merge capistrano-config

You are done!

When you type git log in your master branch, it will show the following logs:

commit 2a5853e36e0ddc20ad52aef44ec1da8666ae6cf8  
Author: Someth Victory <victory.someth@gmail.com>  
Date: Tue Aug 25 14:43:42 2015 +0700  
  
 Setup staging configuration  
  
commit f835f98ed5e49b1ad262236f319c9bc1881ffa68  
Author: Uysim <uysimty@gmail.com>  
Date: Fri Aug 14 11:32:59 2015 +0700  
  
 Fix some style  
  
commit 5c275c060c1f7288f281d5343114729b50432812  
Author: Someth Victory <victory.someth@gmail.com>  
Date: Fri Aug 14 09:20:26 2015 +0700  
  
 Update README.md

Now you get only one meaningful commit message in the master branch.