

# Github 开源之旅

第一季 启程

# How people build software

Millions of developers use GitHub to build personal projects, support their businesses, and work together on open source technologies.



Pick a username

Your email address

Create a password

Use at least one letter, one numeral, and seven characters.

**Sign up for GitHub**

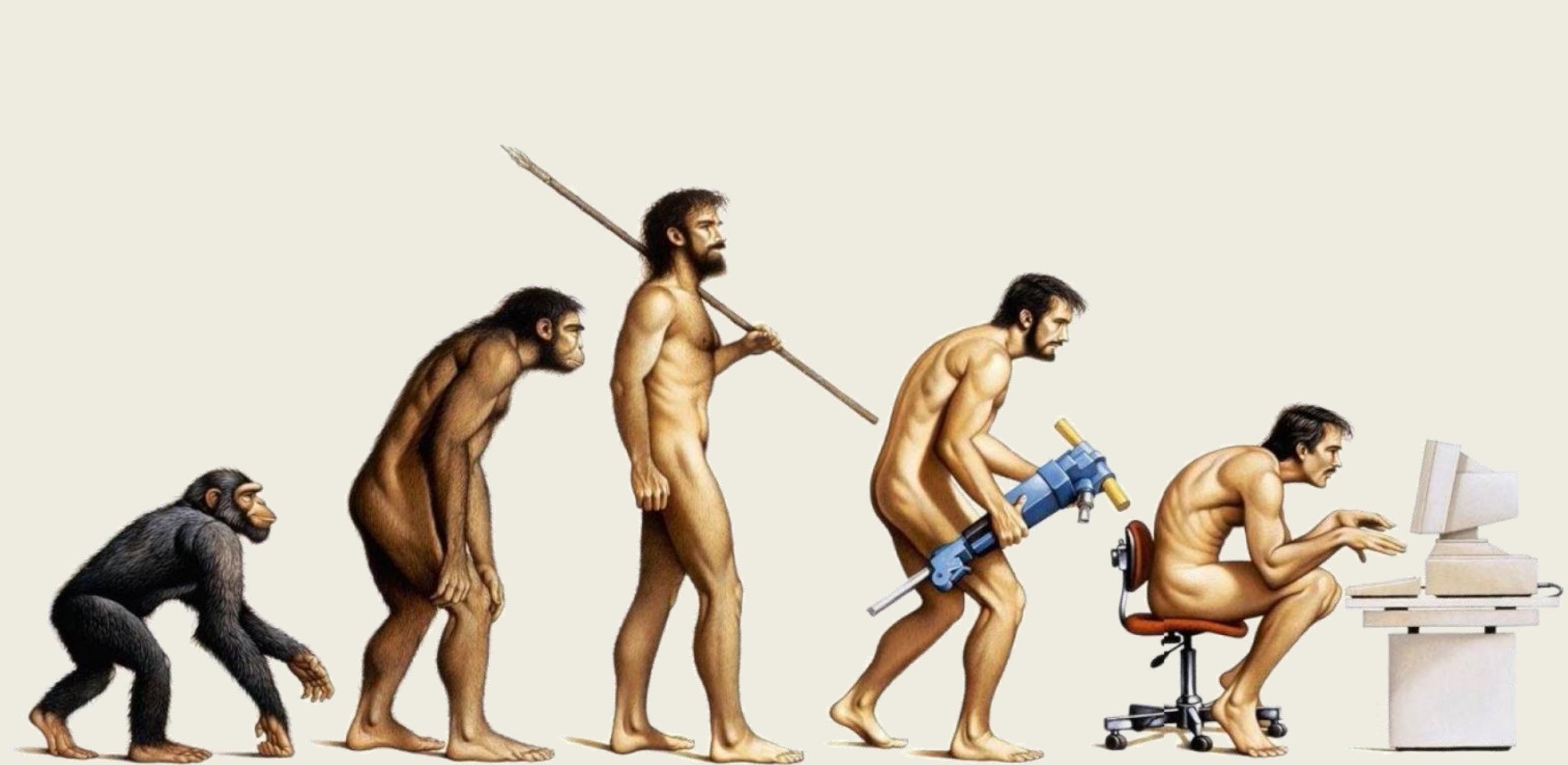
By clicking "Sign up for GitHub", you agree to our [terms of service](#) and [privacy policy](#). We'll occasionally send you account related emails.

## Welcome home, developers

GitHub fosters a fast, flexible, and collaborative development process that lets you work on your own or with others.







# open source

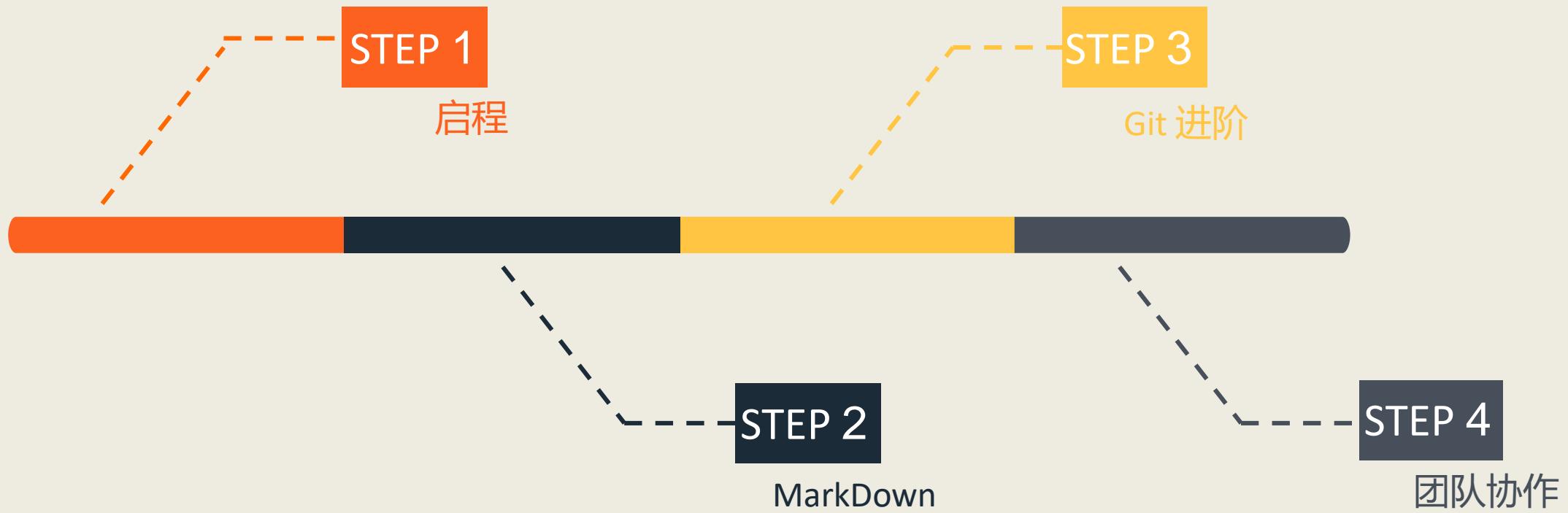
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use



# Github 的优势



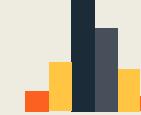
- 只支持 Git
- 完整协议支持
- 在线文件编辑
- 社交网络元素
- 特色工作模式
- 私有仓库托管
- Ruby on Rails



**Github 开源社区之旅**



# 内容安排



Github 账号

01

02

个人主页

Github 挖宝

03

04

Github 仓库

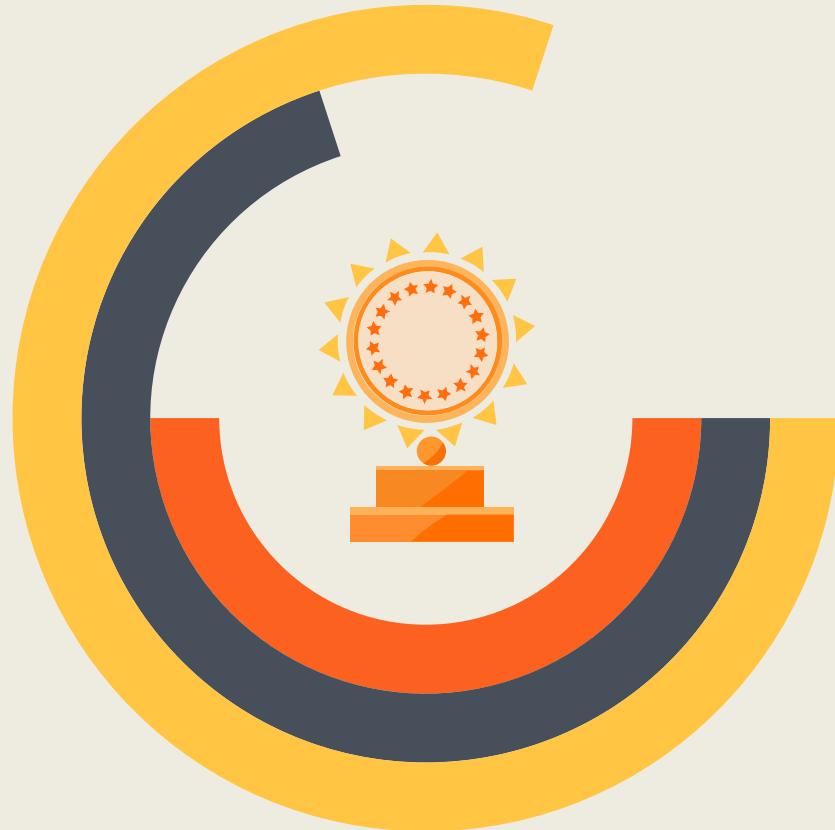
Git 工具

05

06

Git 命令

# 课程目标



- 实名注册 Github 账户
- 点亮个人头像
- 完善个人资料
- 能够在 Github 上搜索资料
  - 搜索人
  - 搜索项目
- 能够评估人和项目的活跃度
- 掌握 Github 社交化
  - Star 收藏项目
  - Follow 关注高手
- 能够创建 Github 远程仓库
- 能够删除 Github 远程仓库
- 能够建立本地仓库
- 能够把本地仓库和远程仓库建立关联
- 能够在本地仓库和远成仓库之间 push 和 pull



github  
SOCIAL CODING



sourceforge



google code



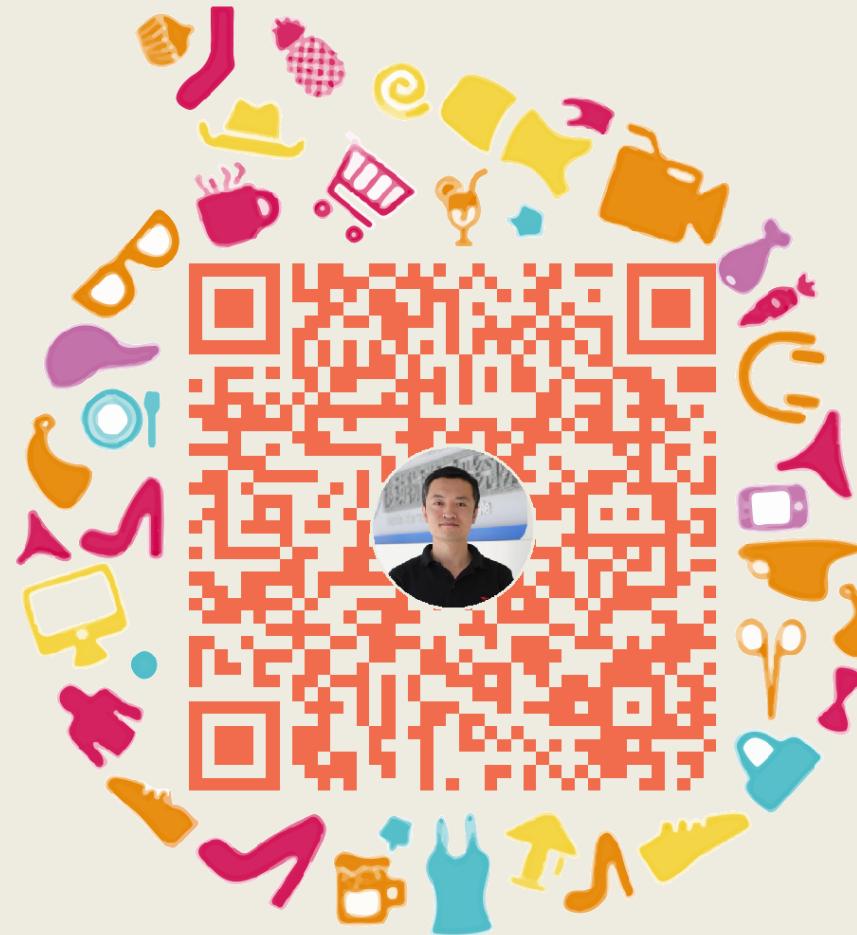
codeplex



开源中国



## 课程资料



<https://github.com/wangding/courses/tree/master/github>

## 作业任务

### 了解 Github

要求：

1. 阅读维基百科的 Github 词条；
2. 阅读百度百科的 Github 词条；
3. 浏览课程资料页面；
4. 浏览 Github 2016 年度报告；





# 注册 Github 账号

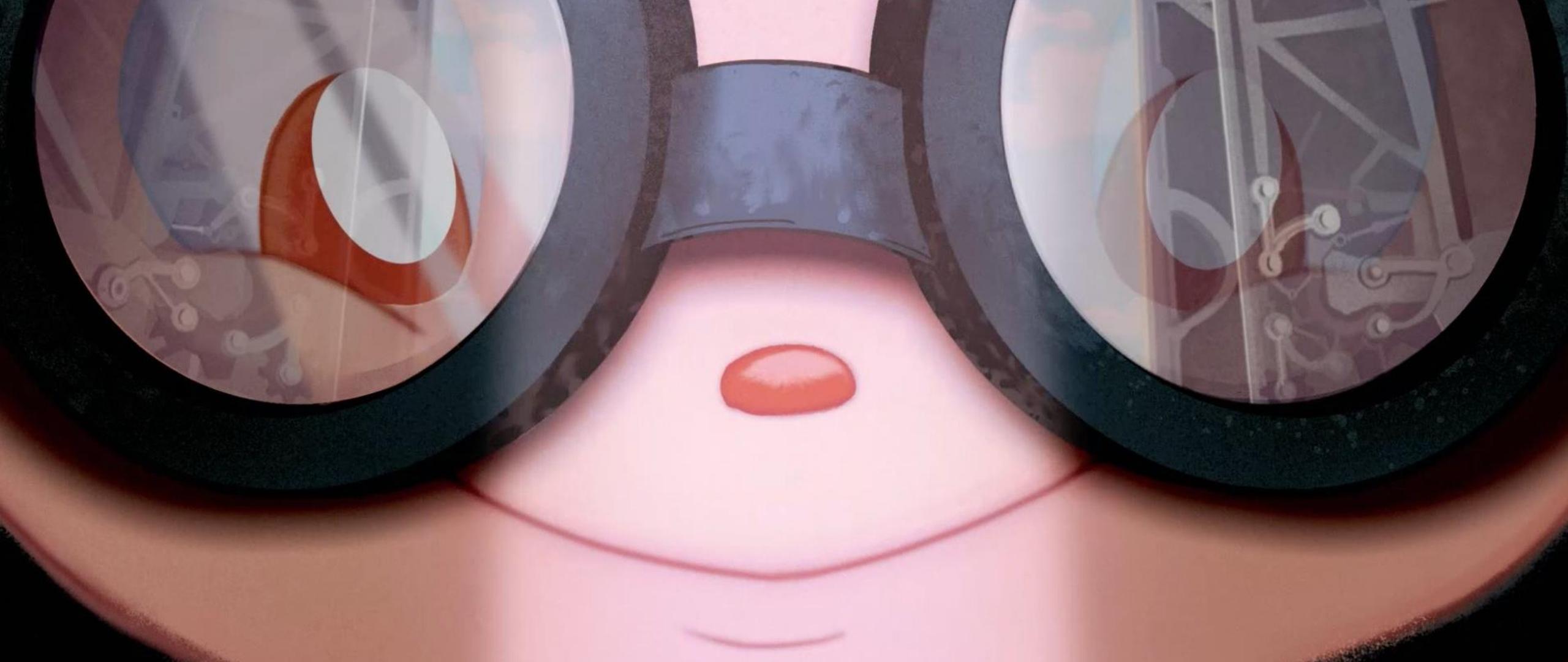
## 作业任务

### 注册 Github 账户

要求：

1. 真实姓名；
2. 真实头像；
3. 职业信息；
4. 单位信息；
5. 位置信息；





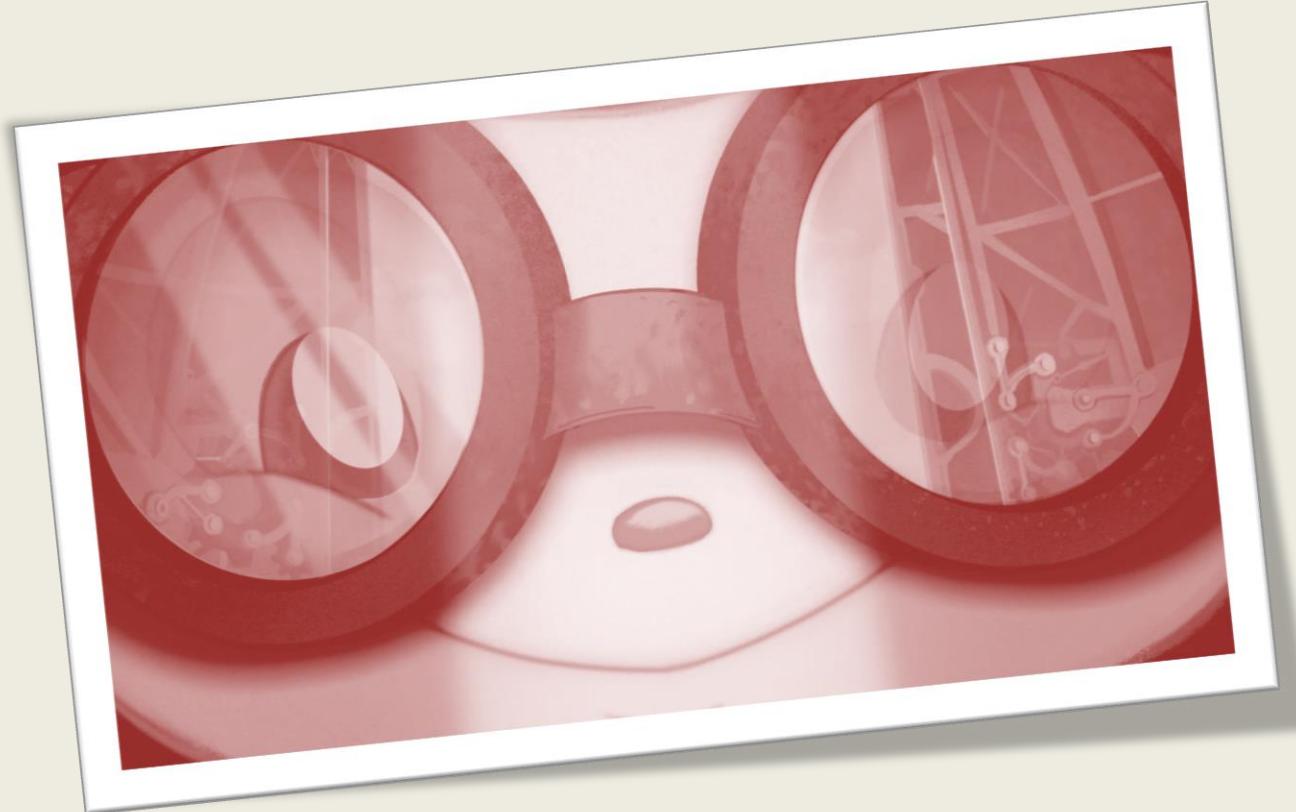
# Github 个人主页

# 作业任务

## Github 社交

要求：

1. Follow (关注) 王顶
2. Star (收藏) courses 项目
3. Follow (关注) 其他人
4. Star (收藏) 其他项目
5. Watch (关注) courses 项目





# Github 挖宝

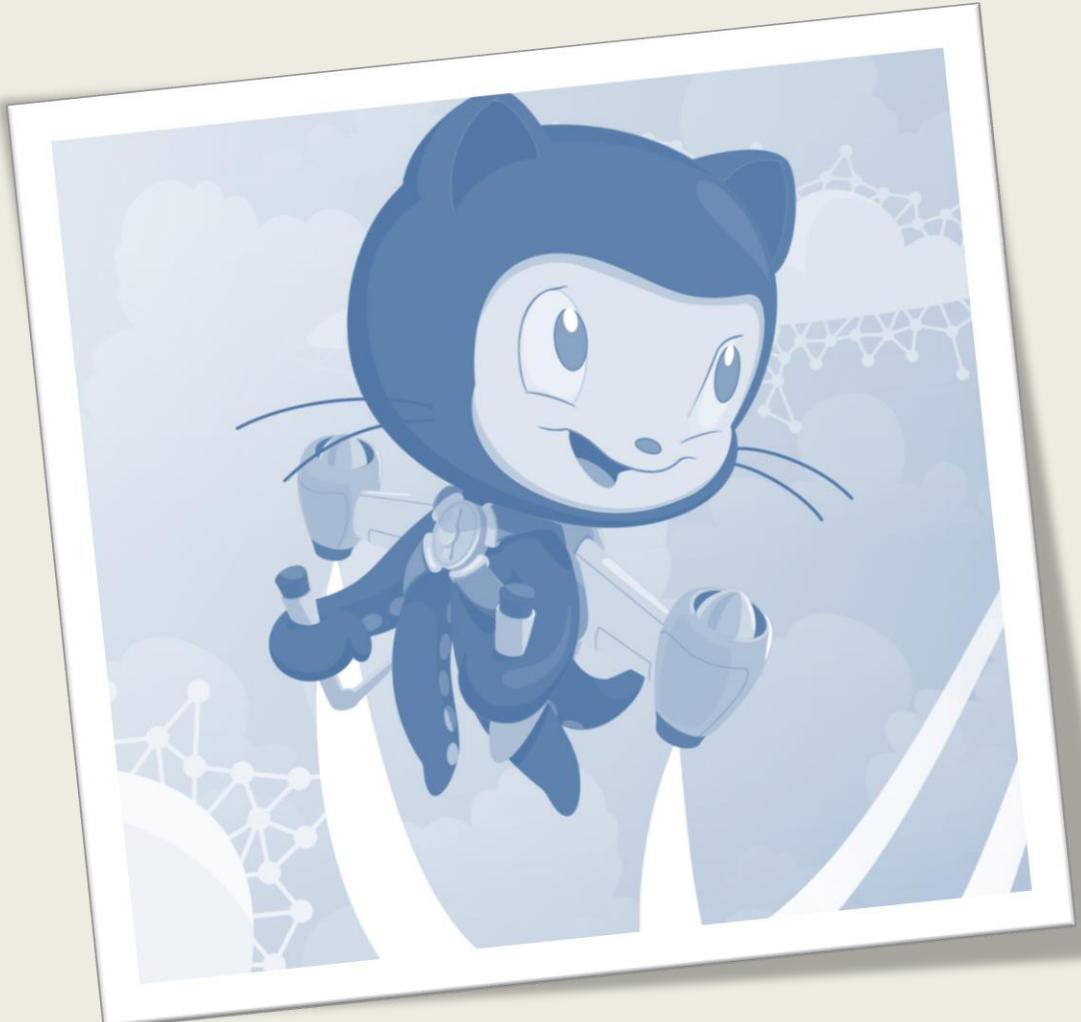
# 作业任务



## Github 挖宝

要求：

1. 搜索活跃的大牛；
2. 查找感兴趣的项目；





*Gotta code!*

**Github 仓库**

# 作业任务

## Github 仓库

要求：

1. 浏览 courses 仓库；
2. 创建 demo 仓库；
3. 设置 Github Page；
4. 在 demo 仓库中操作；
5. 删 除 demo 仓库；



**github**  
SOCIAL CODING



Git 工具

# Git 工具分类

## ✿ 命令行

- Bash、Cmd、Power Shell，等

## ✿ GUI

- Git GUI、Github Desktop，等

## ✿ IDE 集成

- Visual Studio、Eclipse、IntelliJ IDE，等

# Git 工具下载及安装



# 设置 Git Bash 环境

## ✿ 光标颜色

默认：白色，改成：绿色

## ✿ 光标形状

默认：下划线，改成：块状

## ✿ 光标闪烁

默认：闪烁，改成：不闪

## ✿ 字体大小

默认：9号字，改成：14号

# Bash 命令体验

# change directory  
**cd**

# move  
**mv**

# make directory  
**mkdir**

# copy  
**cp**

# print working directory  
**pwd**

# remove  
**rm**

## 设置 Git 参数

```
# 显示当前的 Git 配置
```

```
git config --list
```

```
# 设置提交仓库时的用户名信息
```

```
git config --global user.name "王顶"
```

```
# 设置提交仓库时的邮箱信息
```

```
git config --global user.email "408542507@qq.com"
```

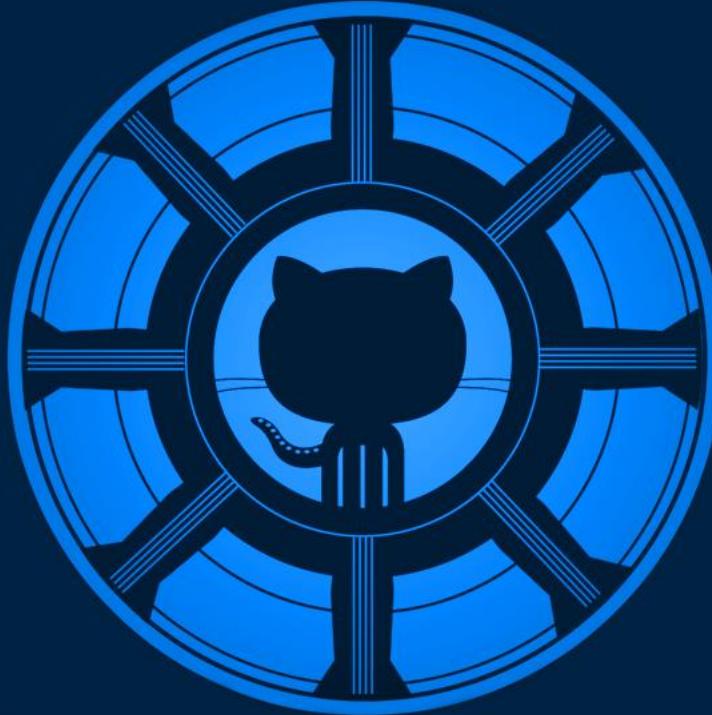
## 作业任务

### 下载并安装 Git 工具

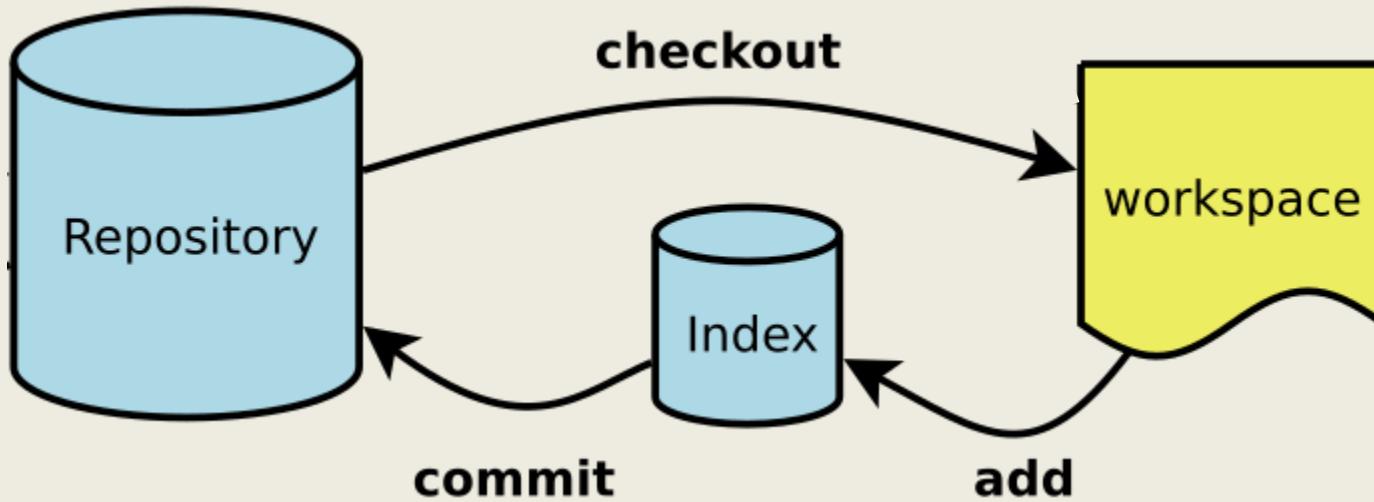
要求：

1. 百度搜索 Git 并下载；
2. 安装 Git 工具；
3. Git Bash 中运行 `git --version` 验证安装是否成功；
4. 配置 Git Bash 环境；





Git 命令



说明：

1. Workspace: 工作区
2. Index / Stage: 暂存区
3. Repository: 仓库区 (或本地仓库)



# 新建代码仓库

# 在当前目录新建一个 Git 代码库

```
git init
```

# 下载一个项目和它的整个代码历史

# url 格式: https://github.com/[userName]/reposName

```
git clone [url]
```



## 添加删除文件

# 添加指定文件到暂存区

```
git add [file1] [file2]
```

# 删除工作区文件，并且将这次删除放入暂存区

```
git rm [file1] [file2]
```

# 改名文件，并且将这个改名放入暂存区

```
git mv [file-origin] [file-renamed]
```

# Git Bash 命令

## 代码提交

# 提交暂存区到仓库

```
git commit -m [message]
```

# 直接从工作区提交到仓库

# 前提该文件已经有仓库中的历史版本

```
git commit -a -m [message]
```

# Git Bash 命令

## 查看信息

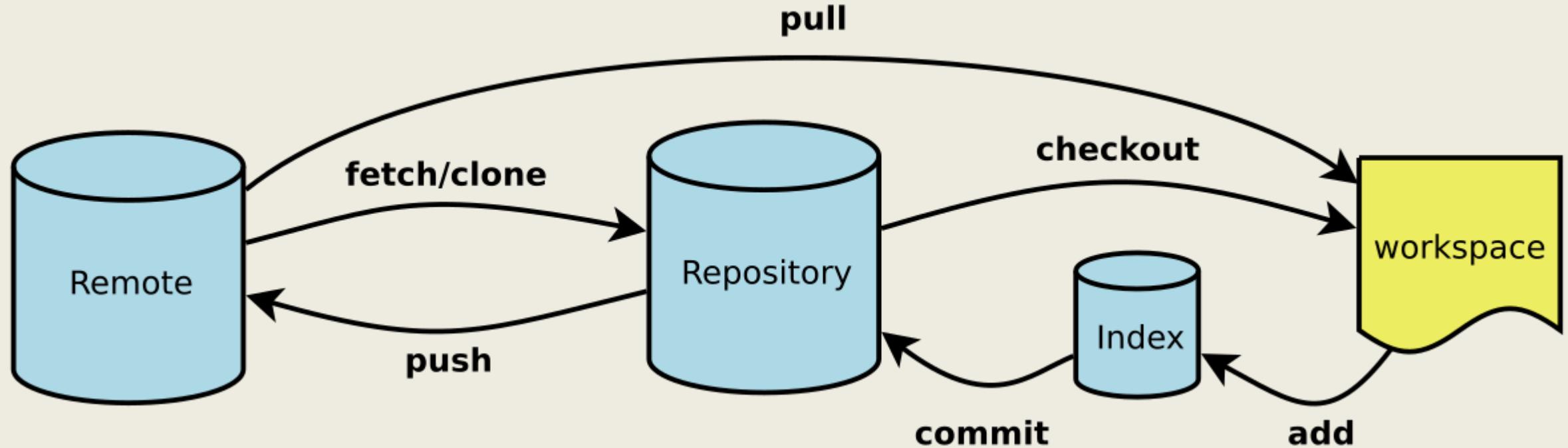
```
# 显示变更信息
```

```
git status
```

```
# 显示当前分支的历史版本
```

```
git log
```

```
git log --oneline
```

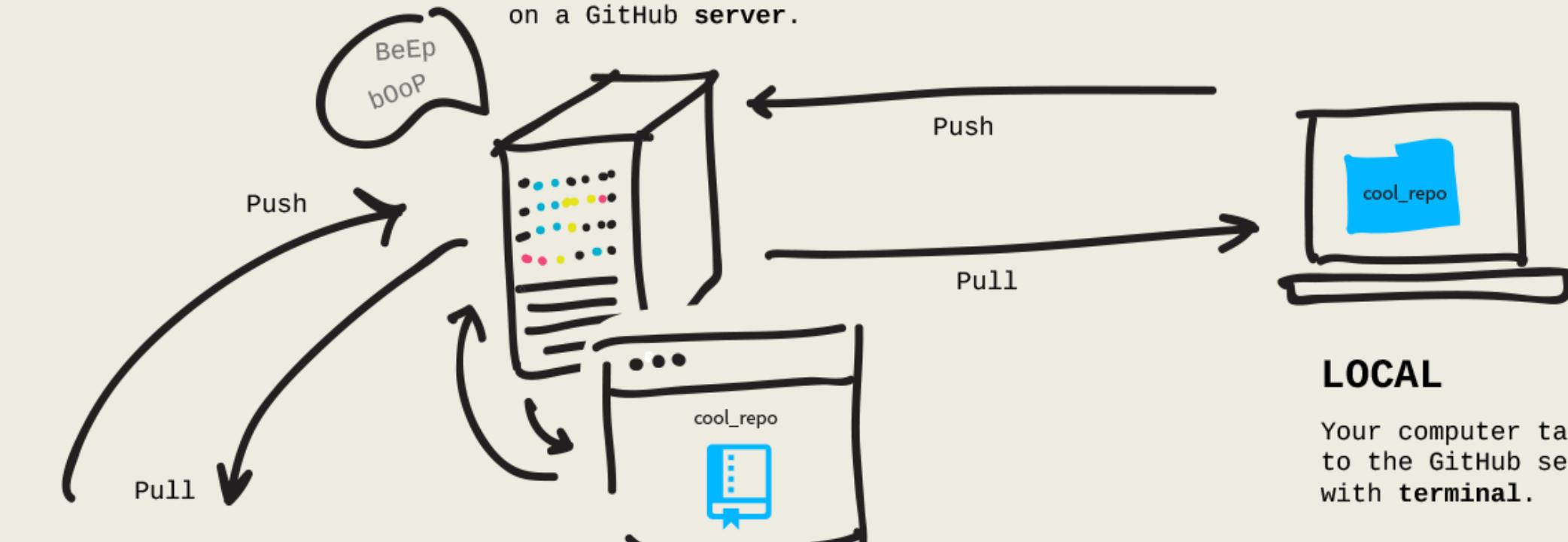


说明：

1. Workspace: 工作区
2. Index / Stage: 暂存区
3. Repository: 仓库区 (或本地仓库)
4. Remote: 远程仓库, 例如: Github

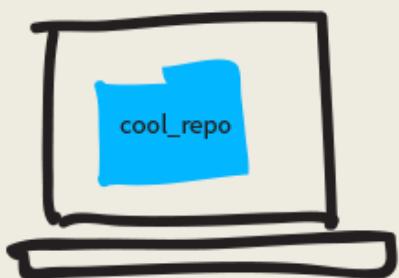
## REMOTE

Repositories live  
on a GitHub **server**.



## LOCAL

Your computer talks  
to the GitHub server  
with **terminal**.



## LOCAL

Someone else's computer  
talks to the GitHub server.

**Browser** lets you  
access repository  
and send changes  
back to the server.

# Git Bash 命令

## 同步远程仓库

# 增加远程仓库，并命名

```
git remote add [shortname] [url]
```

# 将本地的提交推送到远程仓库

```
git push [remote] [branch]
```

# 将远程仓库的提交拉下到本地

```
git pull [remote] [branch]
```



## 作业任务

# 本地练习 Git

要求：

1. 在自己电脑的 C: 盘根目录，建立文件夹：hello-git；
2. 在 hello-git 中初始化仓库；
3. 在 hello-git 中创建 README.md 文件，文件内容随意；
4. 把 README.md 文件，提交到本地仓库中；
5. 在自己的 Github 账户中创建 hello-git **空仓库**；
6. 把自己本地的 hello-git 仓库与远程（上一步）hello-git 仓库关联上；
7. 把本地的 hello-git 仓库中的内容 push（同步）到远程 hello-git 仓库中；
8. 在 Github 的 hello-git 仓库中，验证存在文件： README.md；

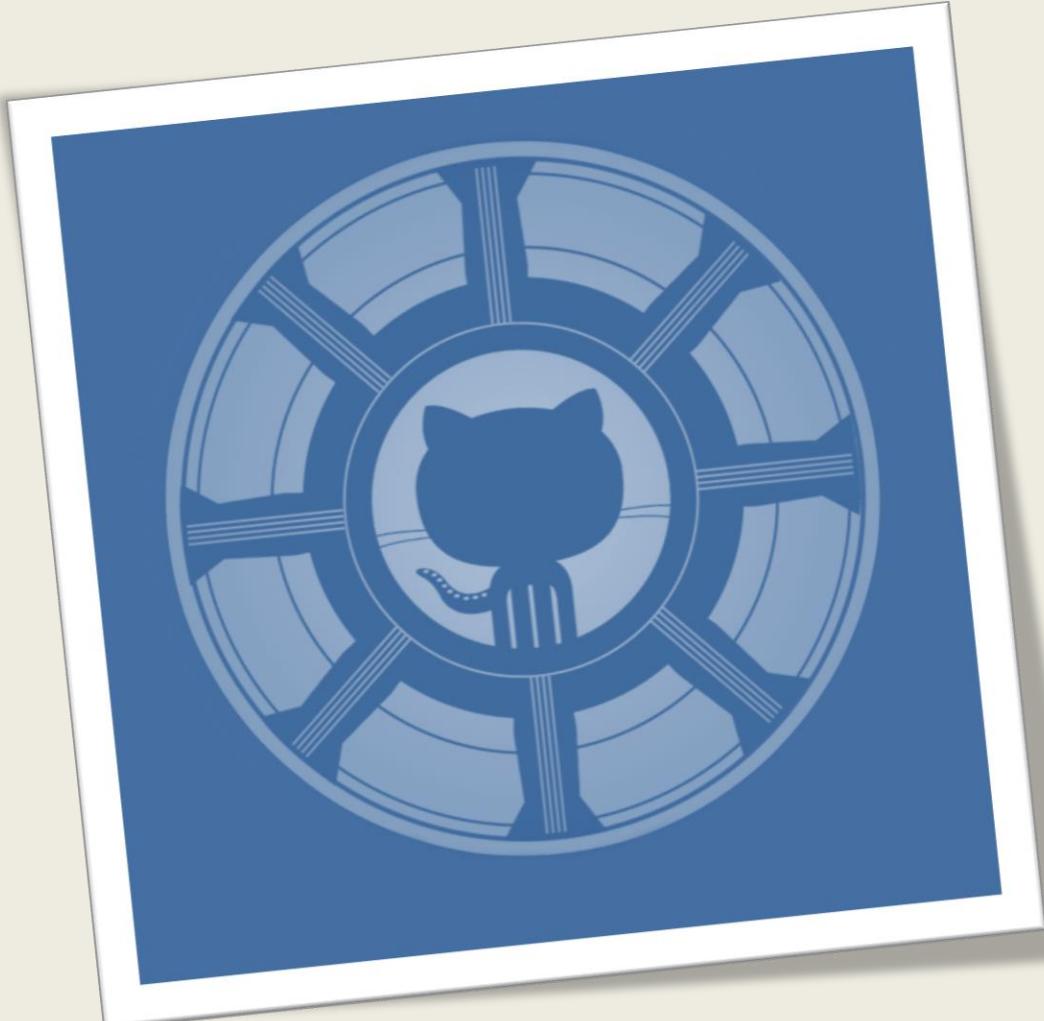


## 作业任务

### 在线练习 Git

要求：

1. 网址：<https://try.github.io/>
2. 阅读该网站的提示信息；
3. 打通所有 25 关；
4. 理解并记忆每关的命令；

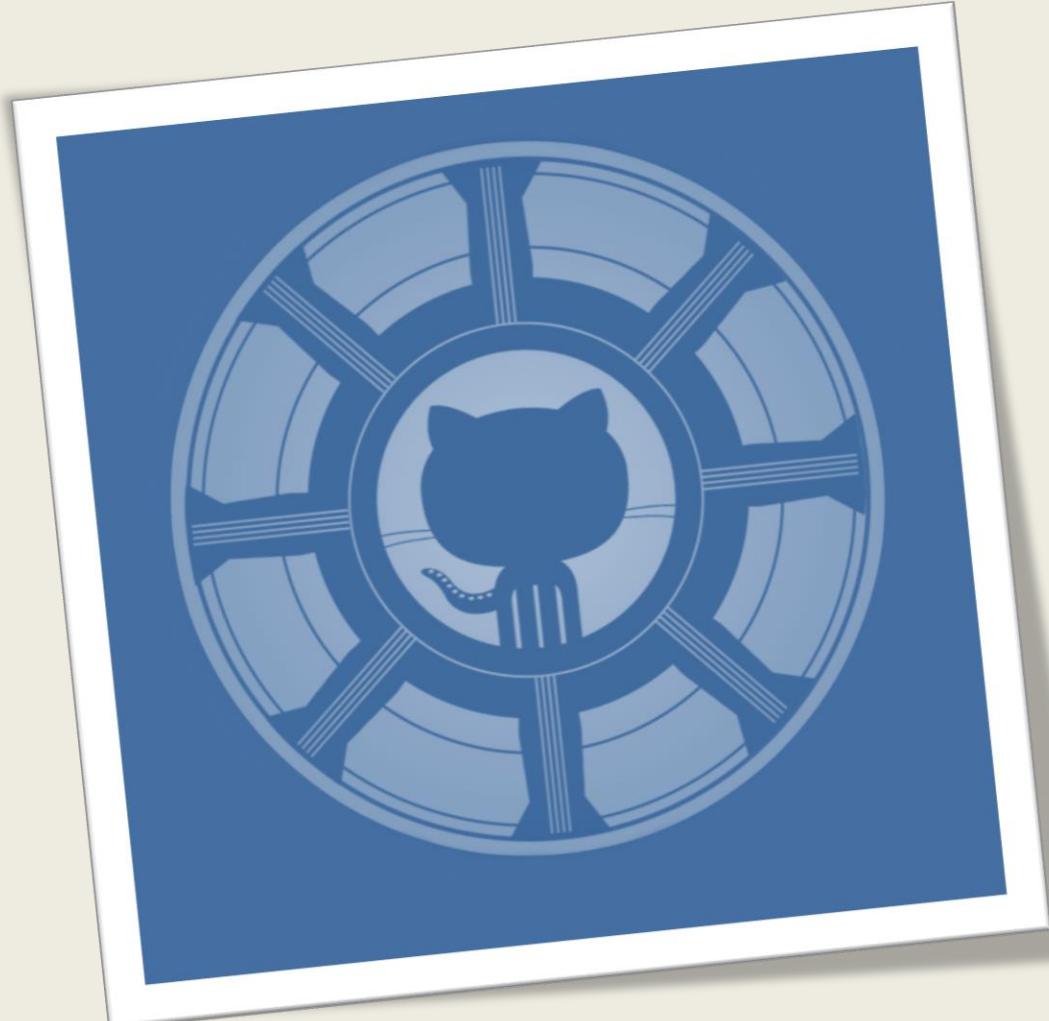


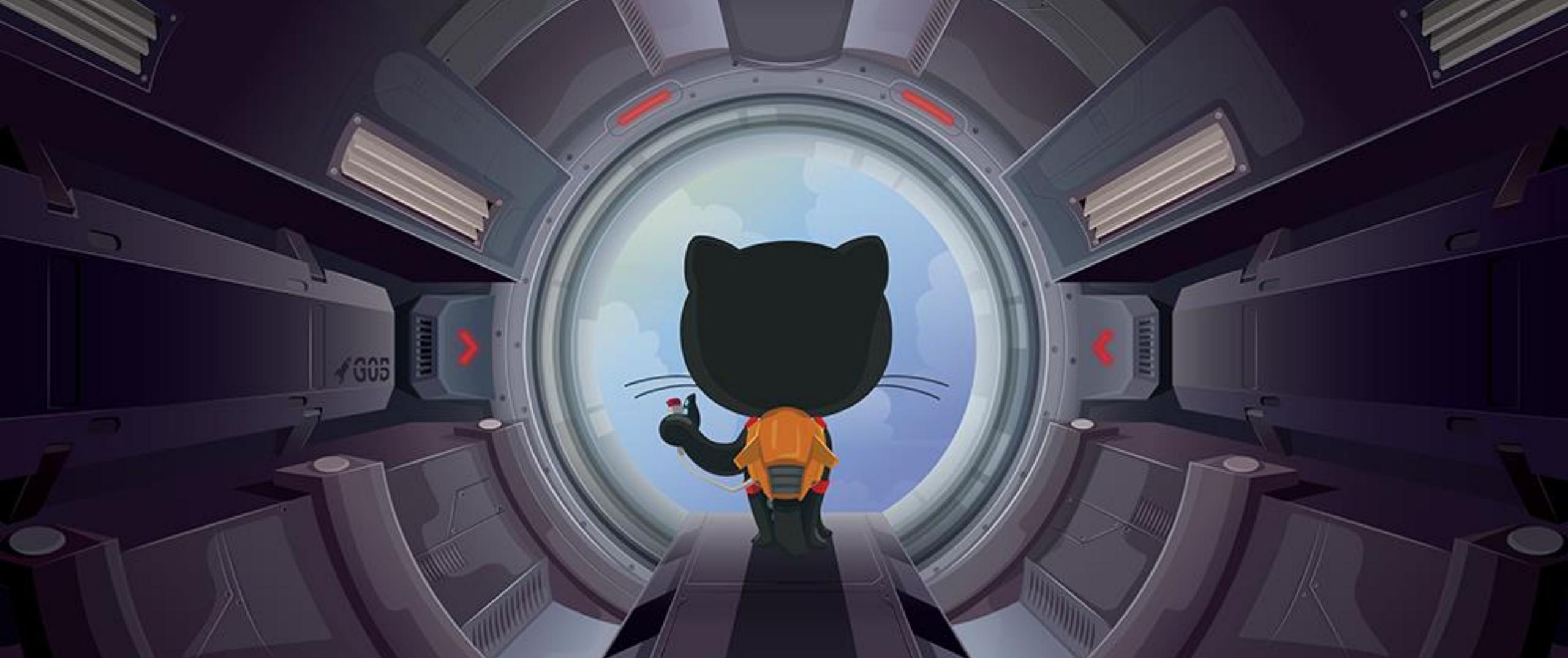
## 作业任务

### 闯关练习 Git-it

要求：

1. 安装 nodeJS；
2. npm install git-it -g；
3. 打通 11 关；
4. 理解并记忆每关的命令；

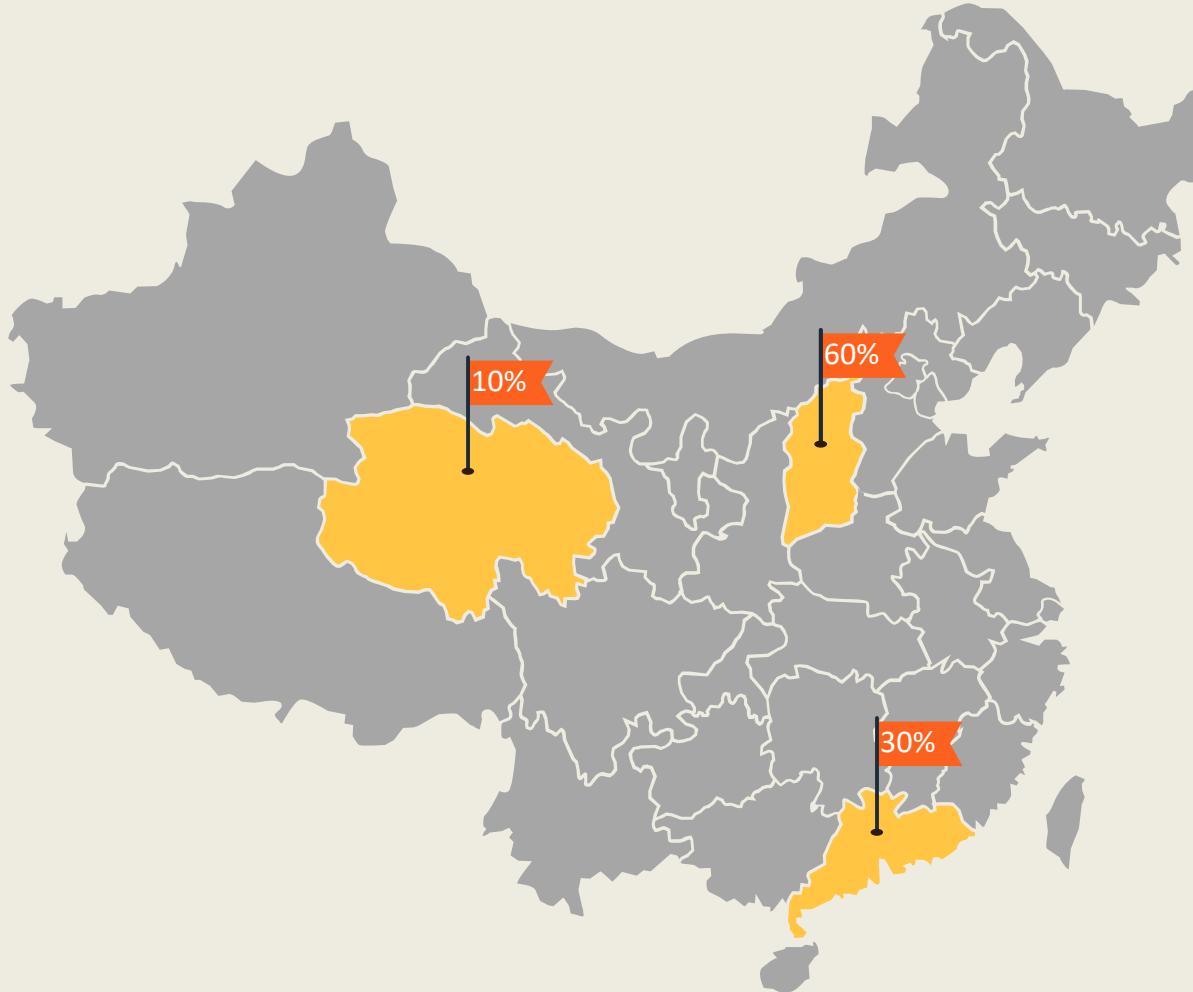




# Github 开源之旅

第二季 Markdown

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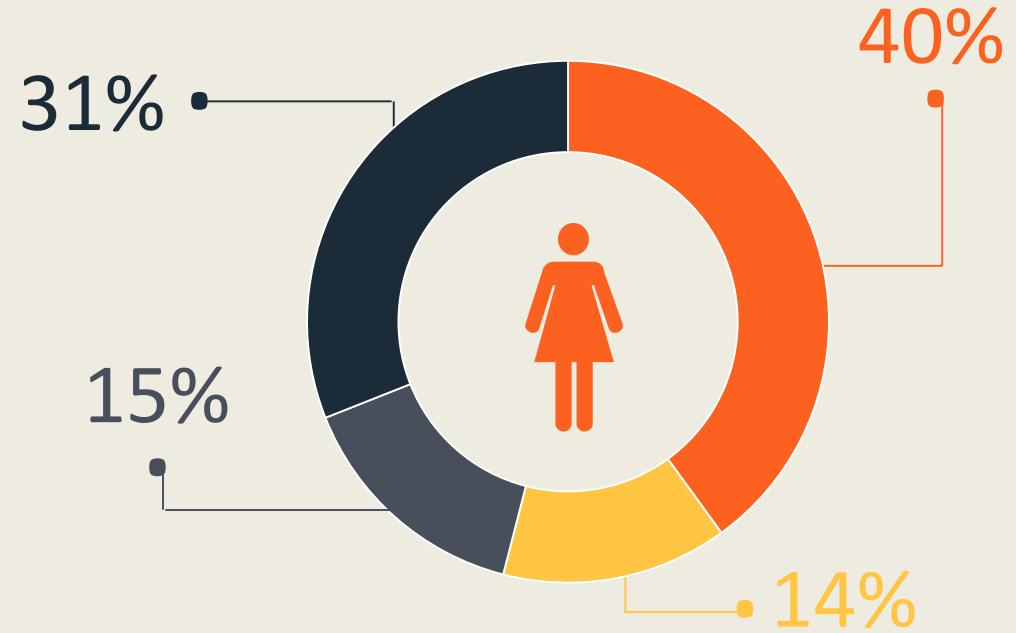
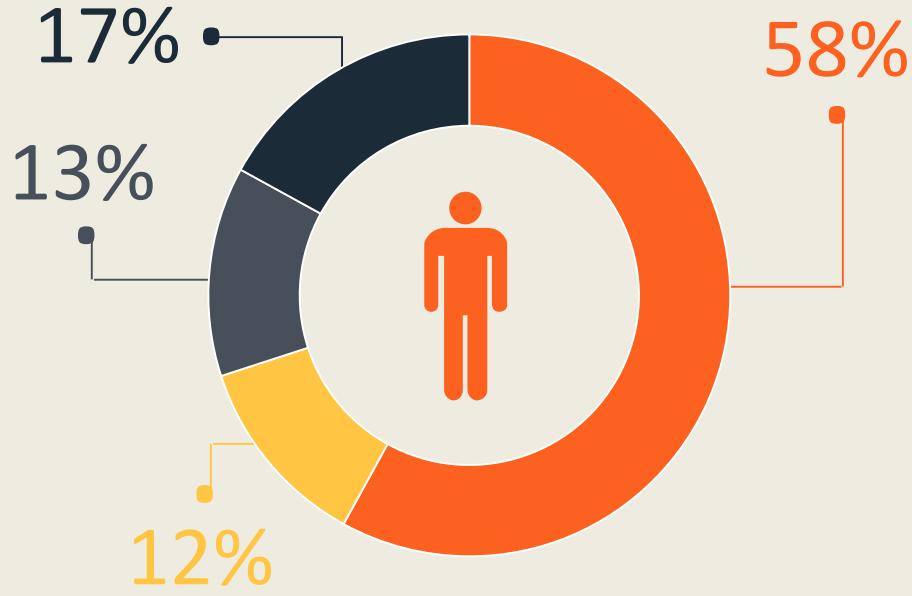
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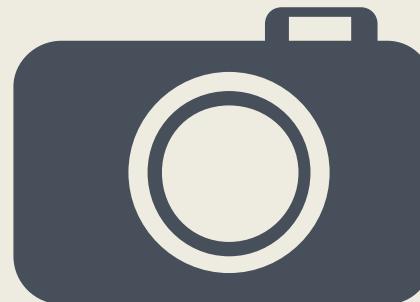
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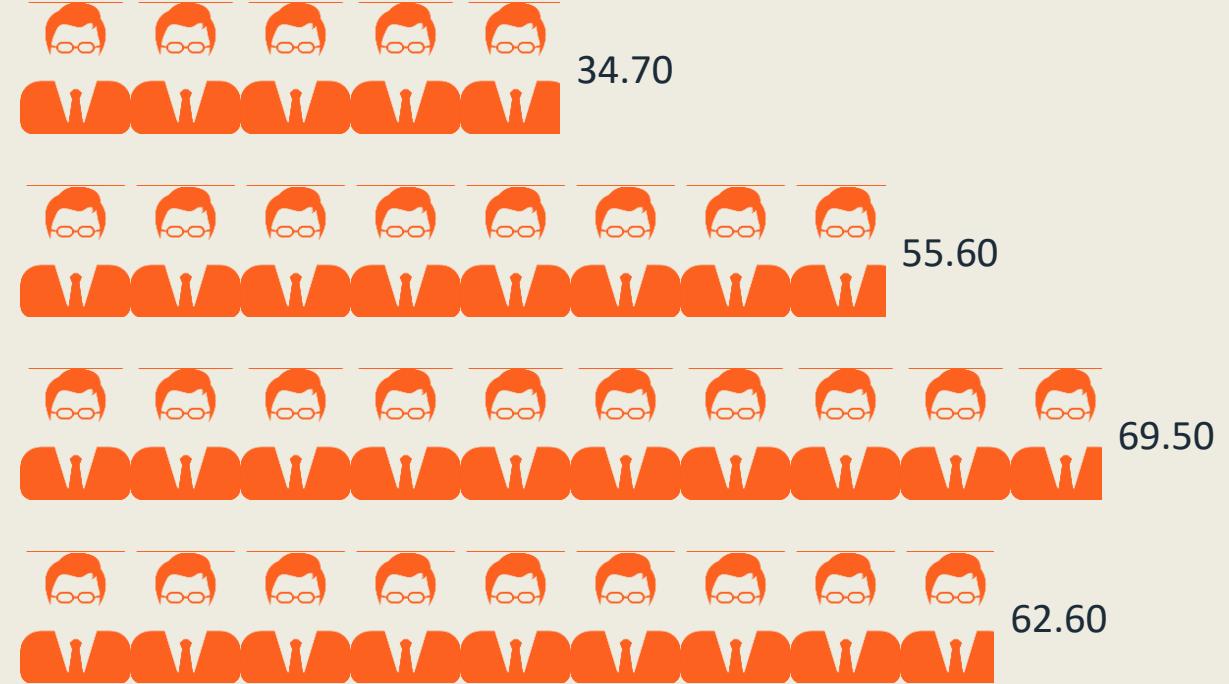
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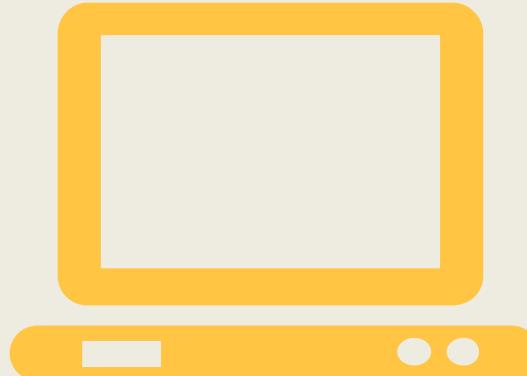
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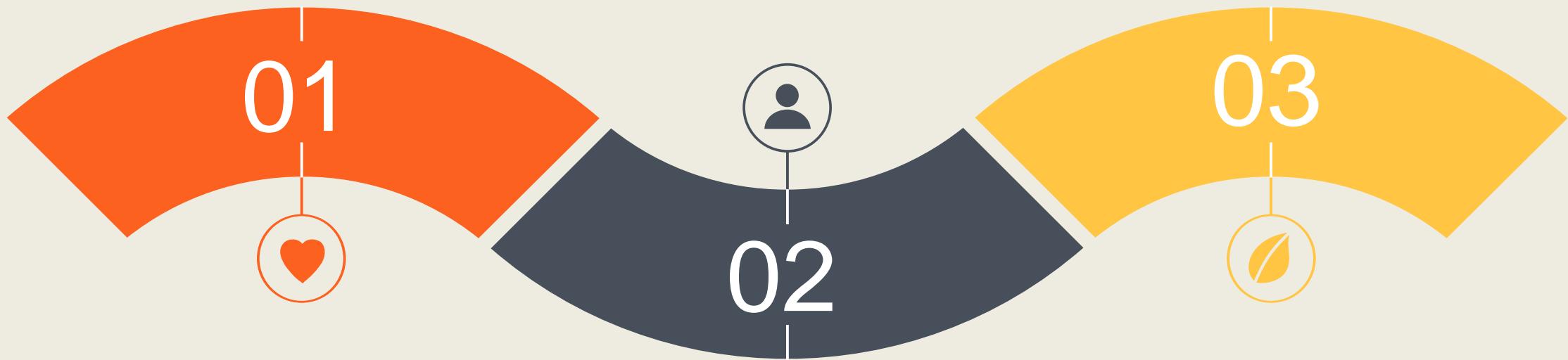
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53

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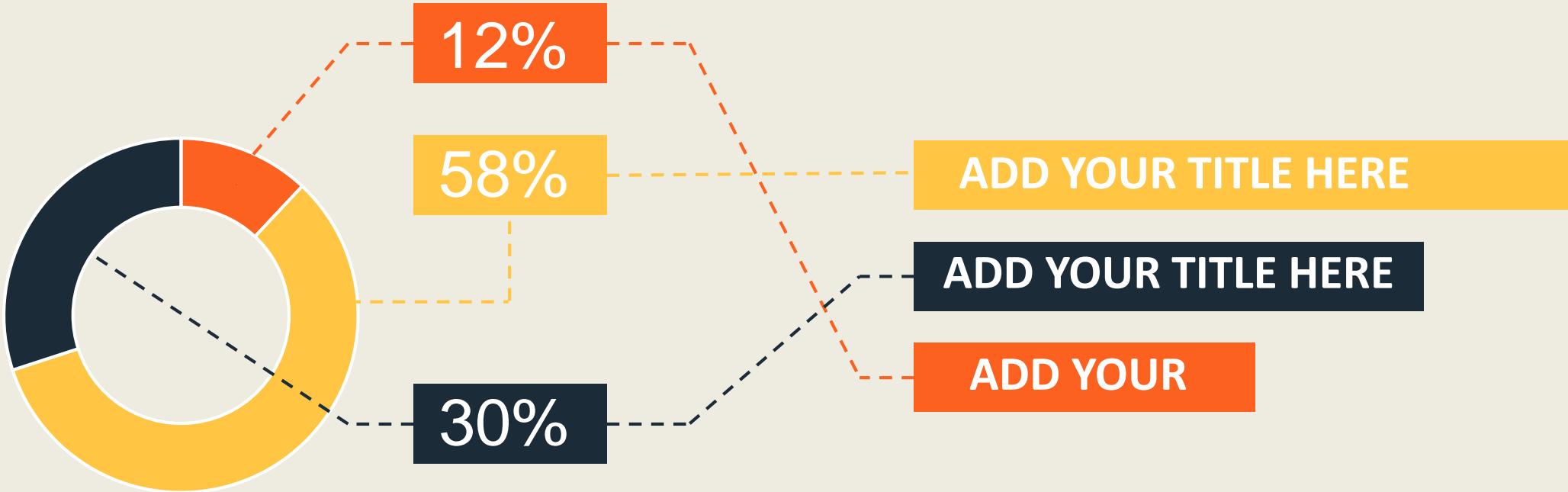
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# 3课程目标

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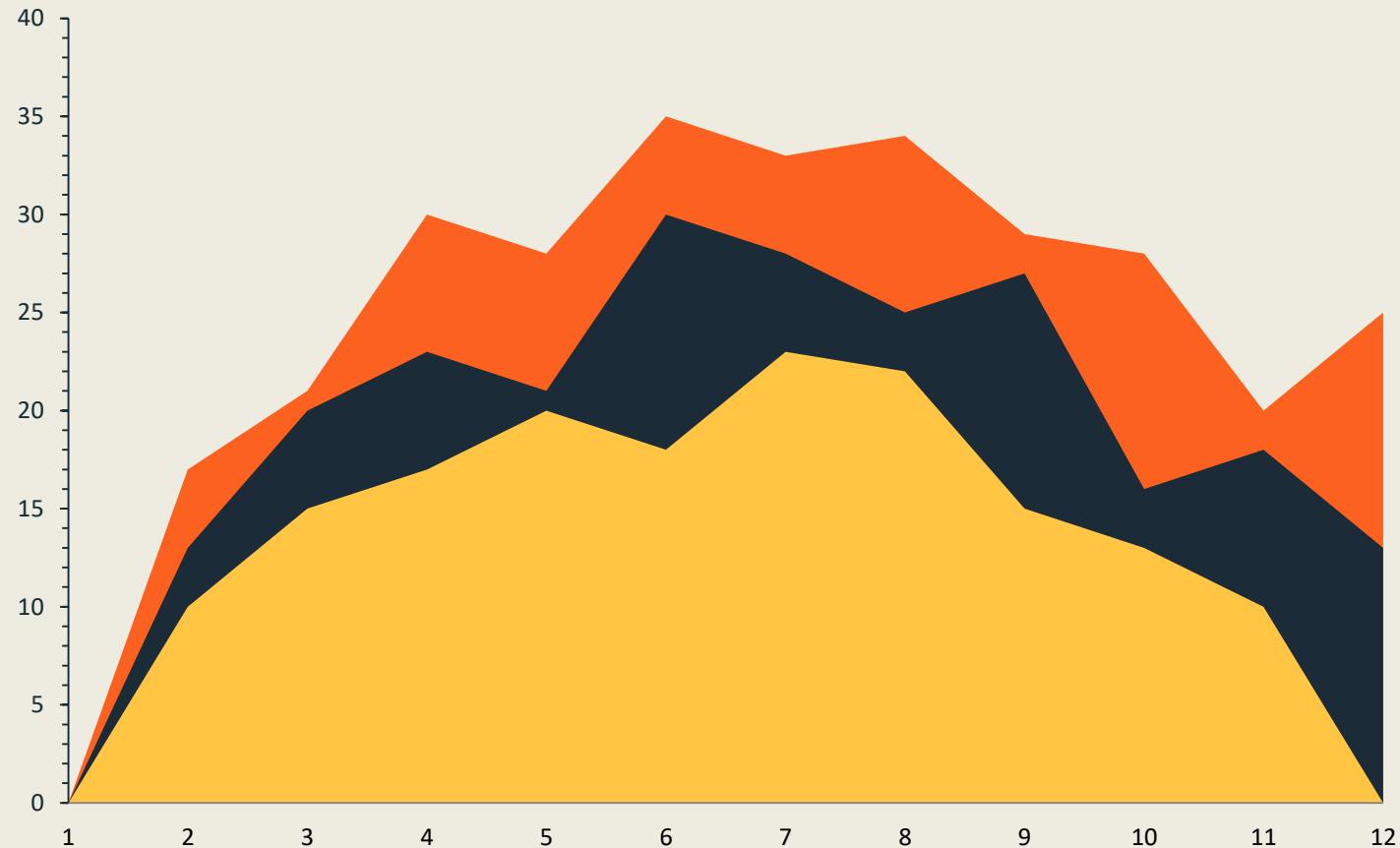
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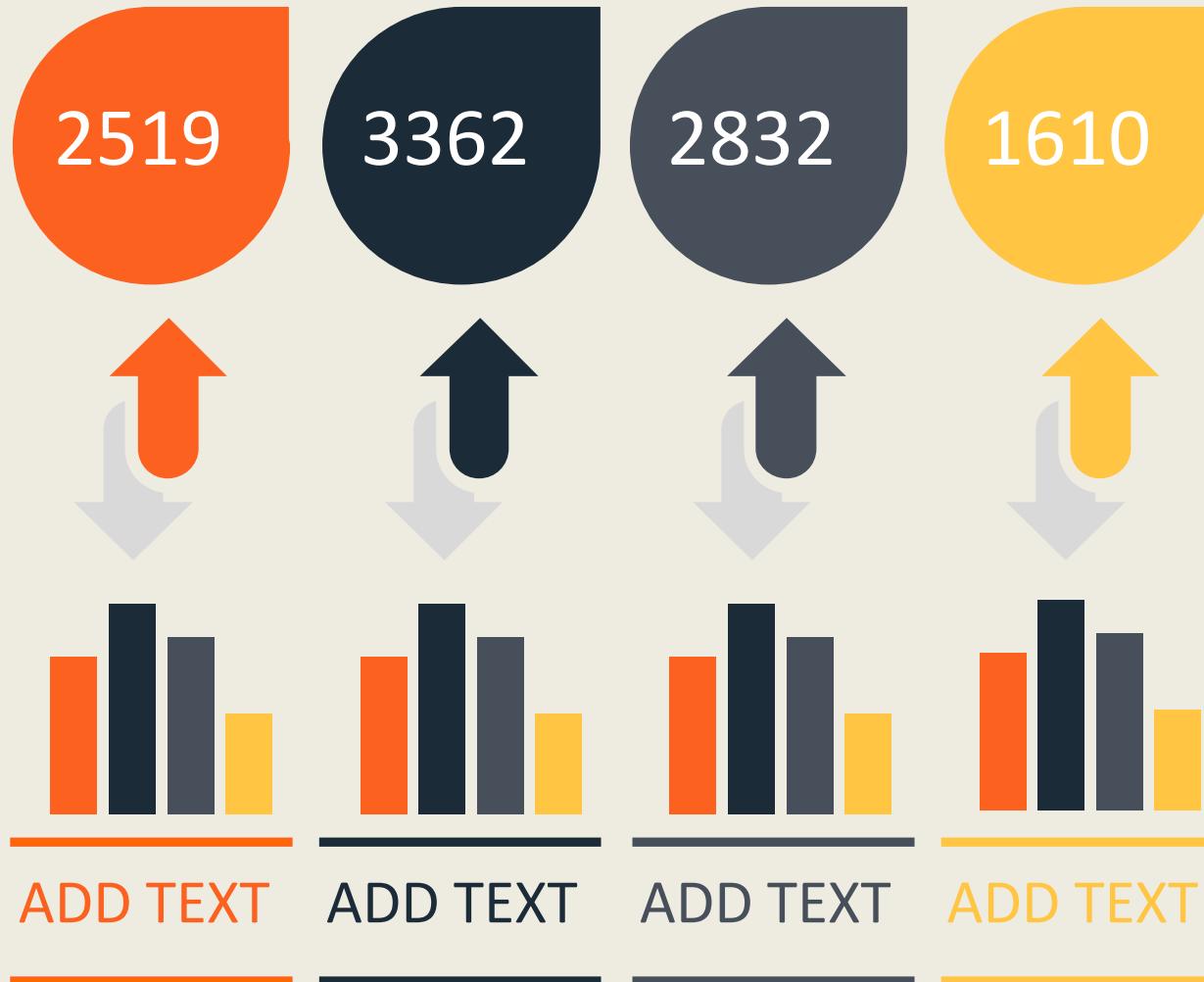
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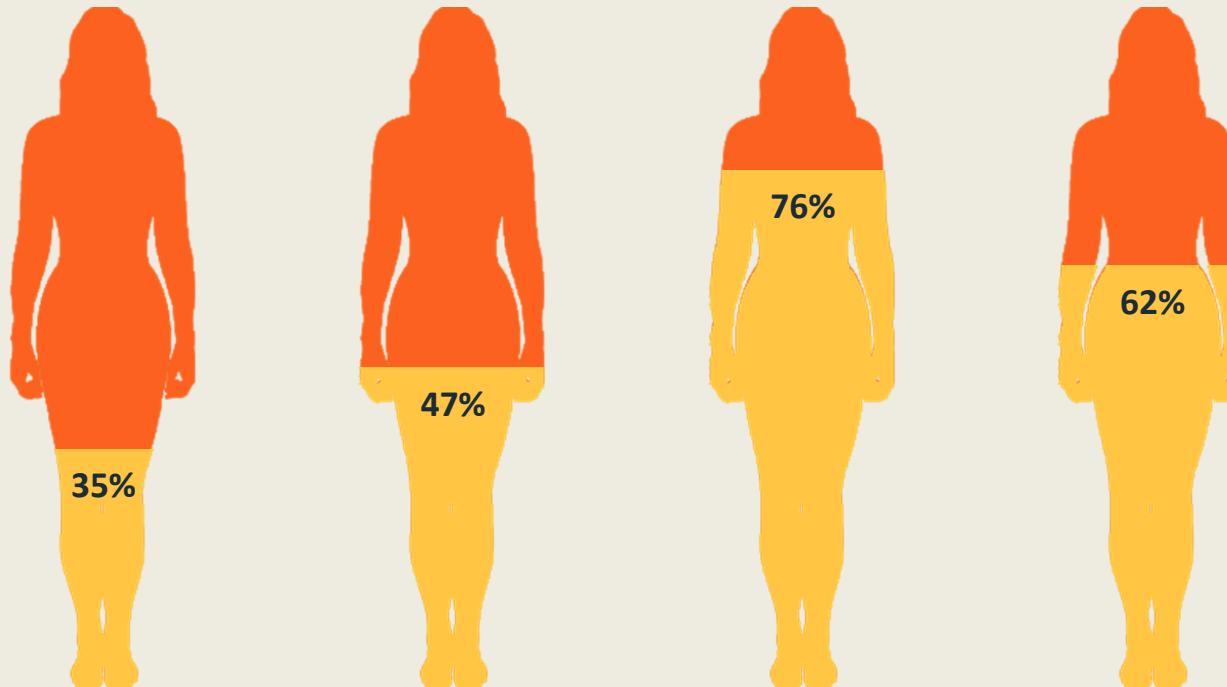
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ABOUT HOW TO USE IT, [www.tretars.com](http://www.tretars.com)

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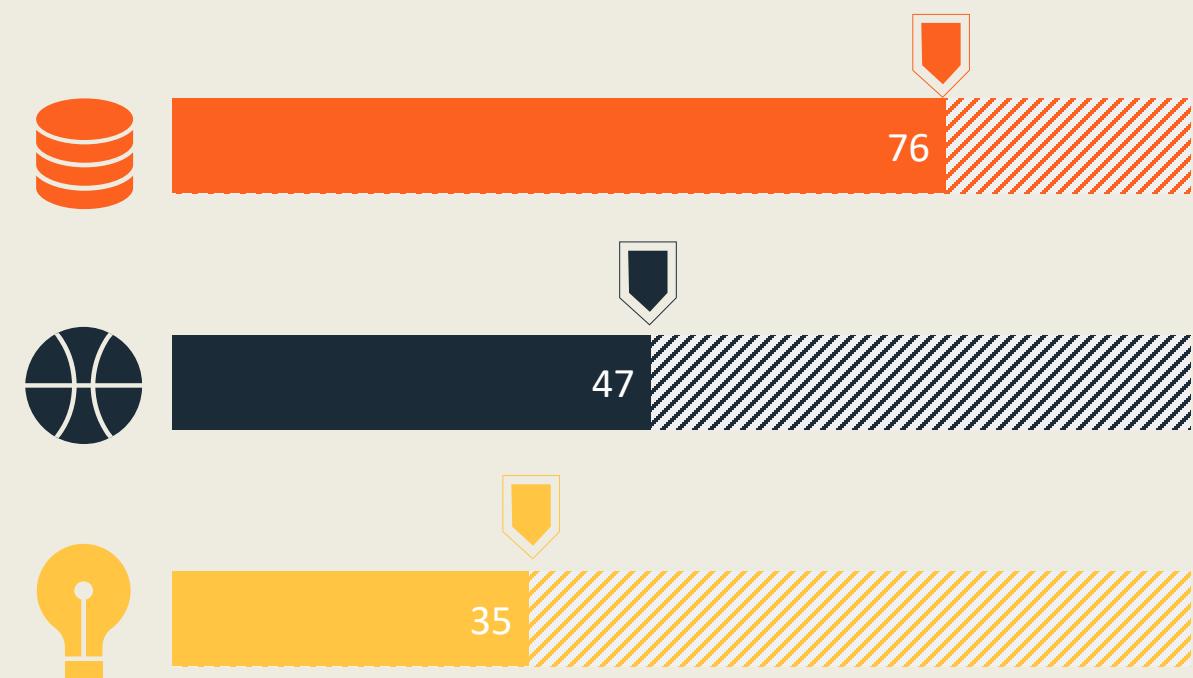
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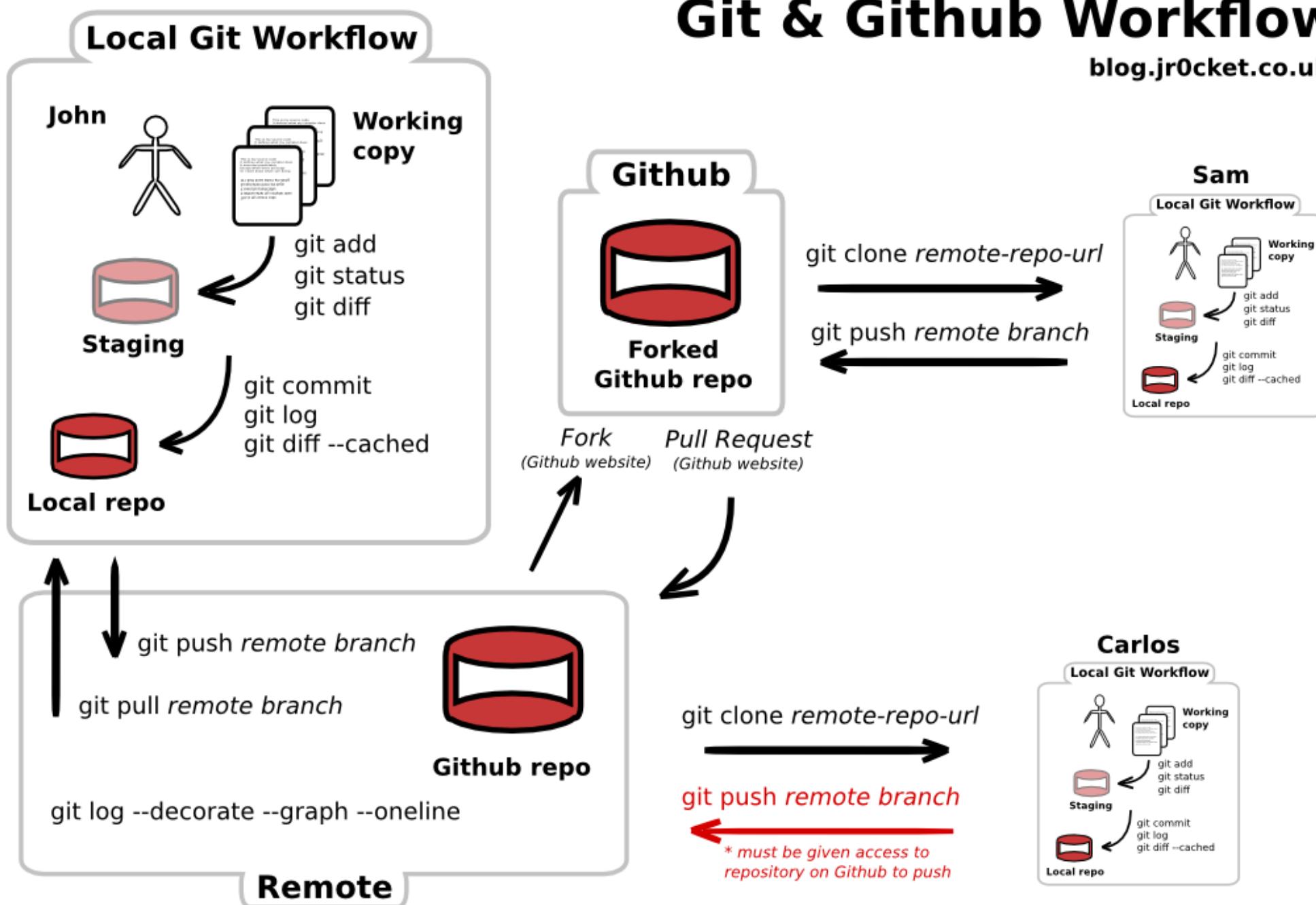
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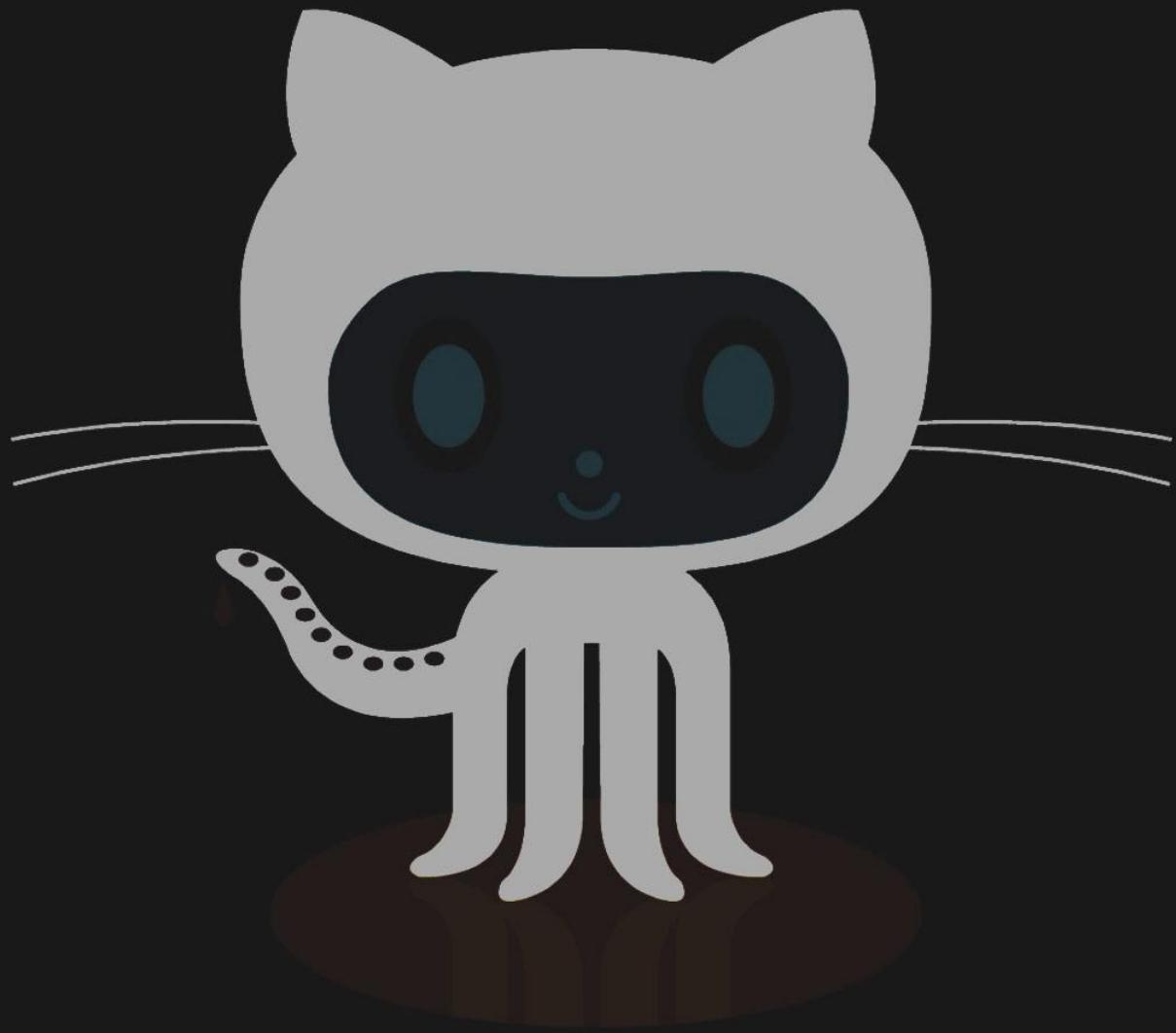
# Git & Github Workflow

[blog.jr0cket.co.uk](http://blog.jr0cket.co.uk)

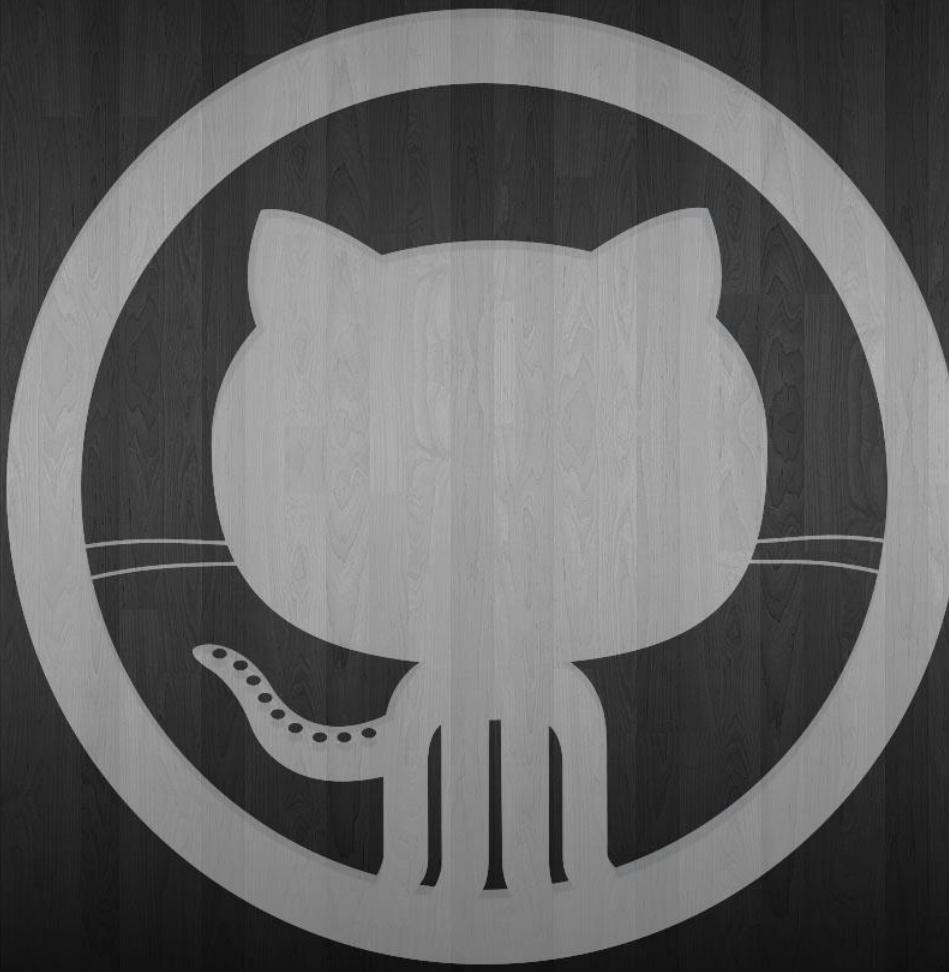








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github  
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