

# 结果

## 1. 跑过测试用例（必要条件）

```
make test
```

```
sylzd@ubuntu:~/myworkspace/mi_homework/runit.git$ sudo make test
bash bin/roundup test/test_args.sh test/test_envfile.sh test/test_procfile.sh
Runit: command line arguments
  it_displays_usage_with_error_args:          [PASS]
  it_displays_usage_with_hyphen_and_h:         [PASS]
  it_verifies_invalid_procfile_and_exit_with_err: [PASS]
  it_verifies_invalid_envfile_and_exit_with_err: [PASS]
Runit: envfile
  it_ignores_comments_in_env_file:              [PASS]
  it_assigns_a_default_port_number:             [PASS]
  it_allows_overriding_the_port_number:         [PASS]
  it_can_increase_port_number:                 [PASS]
Runit: procfile
  it_runs_simple_processes:                    [PASS]
  it_passes_environment_variables_to_processes: [PASS]
  it_ignores_comments_in_proc_file:            [PASS]
=====
Tests:   11 | Passed: 11 | Failed:  0
sylzd@ubuntu:~/myworkspace/mi_homework/runit.git$ date
Wed Jan 24 20:33:48 PST 2018
```

## 1. 确认程序启动后的行为

```
make run
```

```
## 程序屏幕输出及颜色
```

```
## Ctrl + C 之后进程是否被干净的杀掉
```

```

sylvzd@ubuntu:~/myworkspace/mi_homework/runit.git$ make run
rm -rf dist
bash bin/roundup test/test_args.sh test/test_envfile.sh test/test_procfile.sh
Runit: command line arguments
  it_displays_usage_with_error_args: [PASS]
  it_displays_usage_with_hyphen_and_h: [PASS]
  it_verifies_invalid_procfile_and_exit_with_err: [PASS]
  it_verifies_invalid_envfile_and_exit_with_err: [PASS]
Runit: envfile
  it_ignores_comments_in_env_file: [PASS]
  it_assigns_a_default_port_number: [PASS]
  it_allows_overriding_the_port_number: [PASS]
  it_can_increase_port_number: [PASS]
Runit: procfile
  it_runs_simple_processes: [PASS]
  it_passes_environment_variables_to_processes: [PASS]
  it_ignores_comments_in_proc_file: [PASS]
=====
Tests: 11 | Passed: 11 | Failed: 0
mkdir dist
cp -r prod/* dist/
cp -r prod/.env dist/
cp runit dist/
cd dist ; ./runit
20:39:01 web | python -m SimpleHTTPServer 8080 started with pid 87818
20:39:01 date | date $DATE_FORMAT started with pid 87826
Wed Jan 24 20:39:01 PST 2018
Serving HTTP on 0.0.0.0 port 8080 ...
20:39:01 web_2 | nc -l 8081 < index.html started with pid 87834
20:39:01 web_2 | nc -l 8081 < index.html started with pid 87834
^Cmake: *** wait: No child processes. Stop.
make: *** Waiting for unfinished jobs....
make: *** wait: No child processes. Stop.

```

## 1. 阅读代码

```

## 代码风格
## 命名准确性
## 改进性建议（更好的写法，潜在的bug和风险）

```

### • 代码风格规范

shellcheck检查结果

```

sylvzd@ubuntu:~/myworkspace/mi_homework/runit.git$ shellcheck runit
sylvzd@ubuntu:~/myworkspace/mi_homework/runit.git$
sylvzd@ubuntu:~/myworkspace/mi_homework/runit.git$

```

### • 命名

下划线命名，全局为大写，局部为小写，没有无意义及单字符命名

### • 改进性建议

#### 1. 重复代码

```
function verify() {
    verify_file ${ENV_FILE}
    if [[ $? -gt 0 ]]; then
        echo -e "\033[31m File ${ENV_FILE} is not exist \033[0m"
        exit 1
    fi
    verify_file ${PROC_FILE}
    if [[ $? -gt 0 ]]; then
        echo -e "\033[31m File ${PROC_FILE} is not exist \033[0m"
        exit 1
    fi
}
```

此处有重复代码，但是对(( `verify_file ${ENV_FILE}` + `verify_file ${PROC_FILE}` > 1))判断，测试会出错。

## 2. 冗余逻辑

感觉main里面逻辑有点冗余，可以进一步简化

## 3. 变量定义

```
declare proc_name
declare proc_cmd
proc_name=$(echo "${line}" | cut -d : -f 1)
proc_cmd=$(echo "${line}" | cut -d : -f 2-)
```

这里变量的声明定义，为了过掉shellcheck中的 `SC2155: Declare and assign separately to avoid masking return values.` 错误而声明，感觉多写了两行没甚作用。