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实验环境:

ubuntu20.04

1.安装vscode

在官网下载包到本地, 进行安装

2.安装golang

ubuntu下可以直接使用apt install

完成后在命令行输入go, 结果如下

```
drice@Bleach:~$ go
Go is a tool for managing Go source code.

Usage:

        go <command> [arguments]

The commands are:

        bug         start a bug report
        build       compile packages and dependencies
        clean       remove object files and cached files
        doc         show documentation for package or symbol
        env         print Go environment information
        fix         update packages to use new APIs
        fmt         gofmt (reformat) package sources
        generate    generate Go files by processing source
        get         add dependencies to current module and install them
        install     compile and install packages and dependencies
        list        list packages or modules
        mod         module maintenance
        run         compile and run Go program
        test        test packages
        tool        run specified go tool
        version     print Go version
        vet         report likely mistakes in packages
```
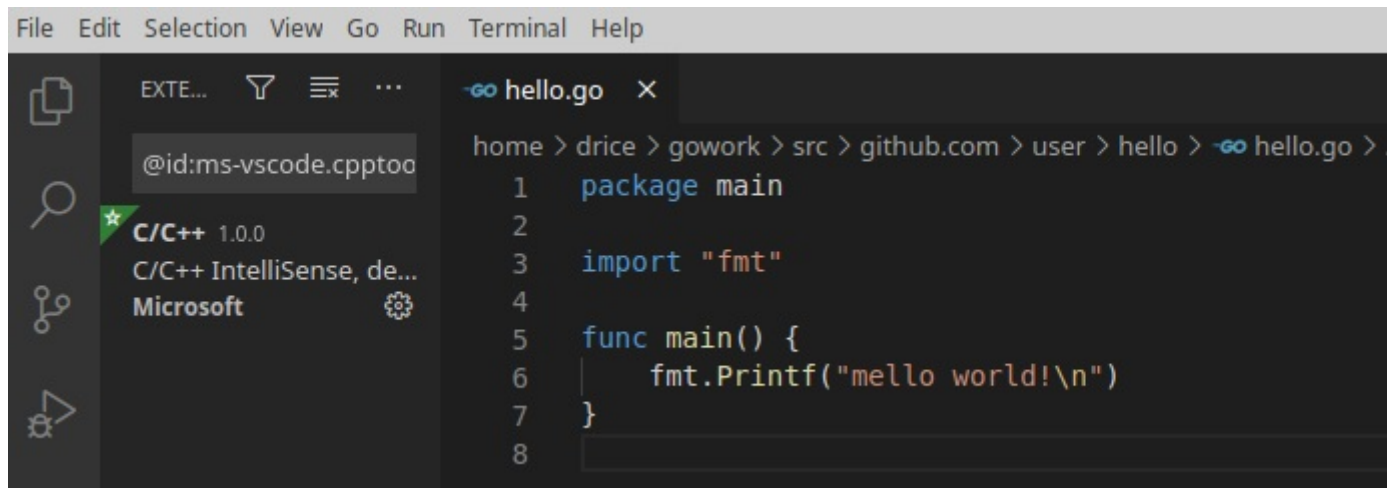
3.设置环境变量

按照老师给出的指令逐条复制运行, 完成后输入go env检查

```
GOBIN=""
GOCACHE="/home/drice/.cache/go-build"
GOENV="/home/drice/.config/go/env"
GOEXE=""
GOFLAGS=""
GOHOSTARCH="amd64"
GOHOSTOS="linux"
GONOPROXY=""
GONOSUMDB=""
GOOS="linux"
GOPATH="/home/drice/gowork"
GOPRIVATE=""
GOPROXY="https://proxy.golang.org,direct"
GOROOT="/usr/lib/go-1.13"
```

3.5.创建运行hello world

代码:
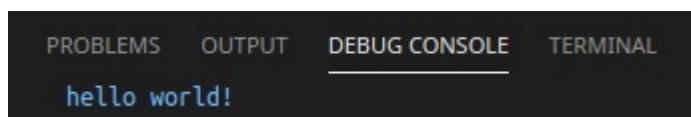
运行结果:
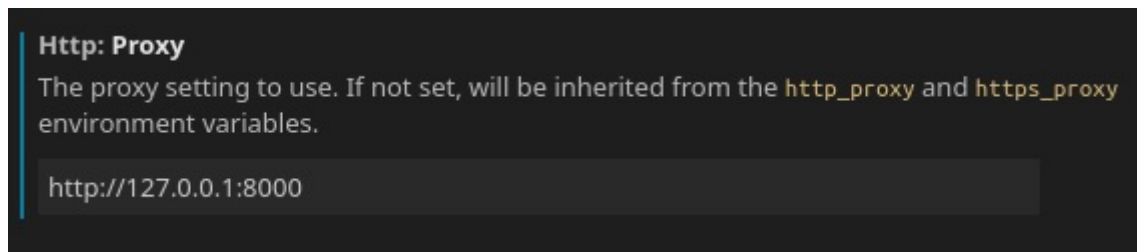
4.安装git

本机已有git, 跳过

4.5.安装go的一些工具

由于众所周知的原因, vscode无法正常下载国外的一些扩展插件。但是挂上代理之后就可以正常下载了。

挂代理:

一键安装:

```
Tools environment: GOPATH=/home/drice/go
Installing 16 tools at /home/drice/go/bin in module mode.
  gocode
  gopkgs
  go-symbols
  guru
  gorename
  gotests
  gomodifytags
  impl
  fillstruct
  goplay
  godoctor
  dlv
  gocode-gomod
  godef
  goreturns
  golint

Installing github.com/mdempsky/gocode (/home/drice/go/bin/gocode) SUCCEEDED
Installing github.com/uudashr/gopkgs/v2/cmd/gopkgs (/home/drice/go/bin/gopkgs) SUC
Installing github.com/acroca/go-symbols (/home/drice/go/bin/go-symbols) SUCCEEDED
Installing golang.org/x/tools/cmd/guru (/home/drice/go/bin/guru) SUCCEEDED
Installing golang.org/x/tools/cmd/gorename (/home/drice/go/bin/gorename) SUCCEEDED
Installing github.com/cweill/gotests/... (/home/drice/go/bin/gotests) SUCCEEDED
Installing github.com/fatih/gomodifytags (/home/drice/go/bin/gomodifytags) SUCCEED
Installing github.com/josharian/impl (/home/drice/go/bin/impl) SUCCEEDED
Installing github.com/davidrjenni/reftools/cmd/fillstruct (/home/drice/go/bin/fill
Installing github.com/haya14busa/goplay/cmd/goplay (/home/drice/go/bin/goplay) SUC
Installing github.com/godoctor/godoctor (/home/drice/go/bin/godoctor) SUCCEEDED
Installing github.com/go-delve/delve/cmd/dlv (/home/drice/go/bin/dlv) SUCCEEDED
Installing github.com/stamblerre/gocode (/home/drice/go/bin/gocode-gomod) SUCCEEDE
Installing github.com/rogpeppe/godef (/home/drice/go/bin/godef) SUCCEEDED
Installing github.com/sqs/goreturns (/home/drice/go/bin/goreturns) SUCCEEDED
Installing golang.org/x/lint/golint (/home/drice/go/bin/golint) SUCCEEDED

All tools successfully installed. You are ready to Go :).
```

5.安装go tour

由于可以使用https://tour.go-zh.org/list在线阅读go tour, 因此并没有选择安装到本地。

6.我的第一个包和测试

测试完毕

```
drice@Bleach:~/gowork/src/github.com/user/hello$ go install
drice@Bleach:~/gowork/src/github.com/user/hello$ hello
hello world!
```