VSCode编写latex

1 安装Latex环境

参考链接1.1
对应win上应该是Tex Live，mac上是MacTex，mac上也可以安装没有gui的版本，latex版本众多，有完整版也有
简化版，具体自查，这里说的全是完整版

2 LaTeX Workshop

这是VSCode上的插件，找到安装即可，VSCode如何安装插件自查

3 设置setting.json(针对中文)

mac参考链接
win参考链接
cmd(ctrl)+shift+p输入setting打开settings.json把一下代码加入

```
"latex-workshop.view.pdf.viewer": "tab",
    "latex-workshop.latex.tools": [
      {
          "name": "xelatex",
          "command": "xelatex",
          "args": [
              "-synctex=1",
              "-interaction=nonstopmode",
              "-file-line-error",
              "-pdf",
              "%DOC%"
          ]
      },
      {
          "name": "latexmk",
          "command": "latexmk",
          "args": [
              "-synctex=1",
              "-interaction=nonstopmode",
              "-file-line-error",
              "-pdf",
              "%DOC%"
          ]
      },
      {
          "name": "pdflatex",
          "command": "pdflatex",
          "args": [
              "-synctex=1",
              "-interaction=nonstopmode",
              "-file-line-error",
```

```
                    "%DOC%"
                ]
            },
            {
                "name": "bibtex",
                "command": "bibtex",
                "args": [
                    "%DOCFILE%"
                ]
            }
        ],
    "latex-workshop.latex.recipes": [
            {
                "name": "xelatex",
                "tools": [
                    "xelatex"
                ]
            },
            {
                "name": "pdflatex -> bibtex -> pdflatex*2",
                "tools": [
                    "pdflatex",
                    "bibtex",
                    "pdflatex",
                    "pdflatex"
                ]
            }
        ]
    ]
```

4 demo

在 英文 路径下新建一个.tex文件，输入代码如下

```
\documentclass[UTF8]{ctexart}
\title{你好，world!}
\author{Winston}
\date{\today}
\begin{document}
\maketitle
你好，world!
\end{document}
```

然后cmd(ctrl)+shift+b编译，就会生成.aux、.pdf等文件，只要这些文件不删除以后更改.tex内容时不需要重复编译，系统自动完成。然后打开右上角预览(快捷键option+cmd+v)就会看到生成的pdf