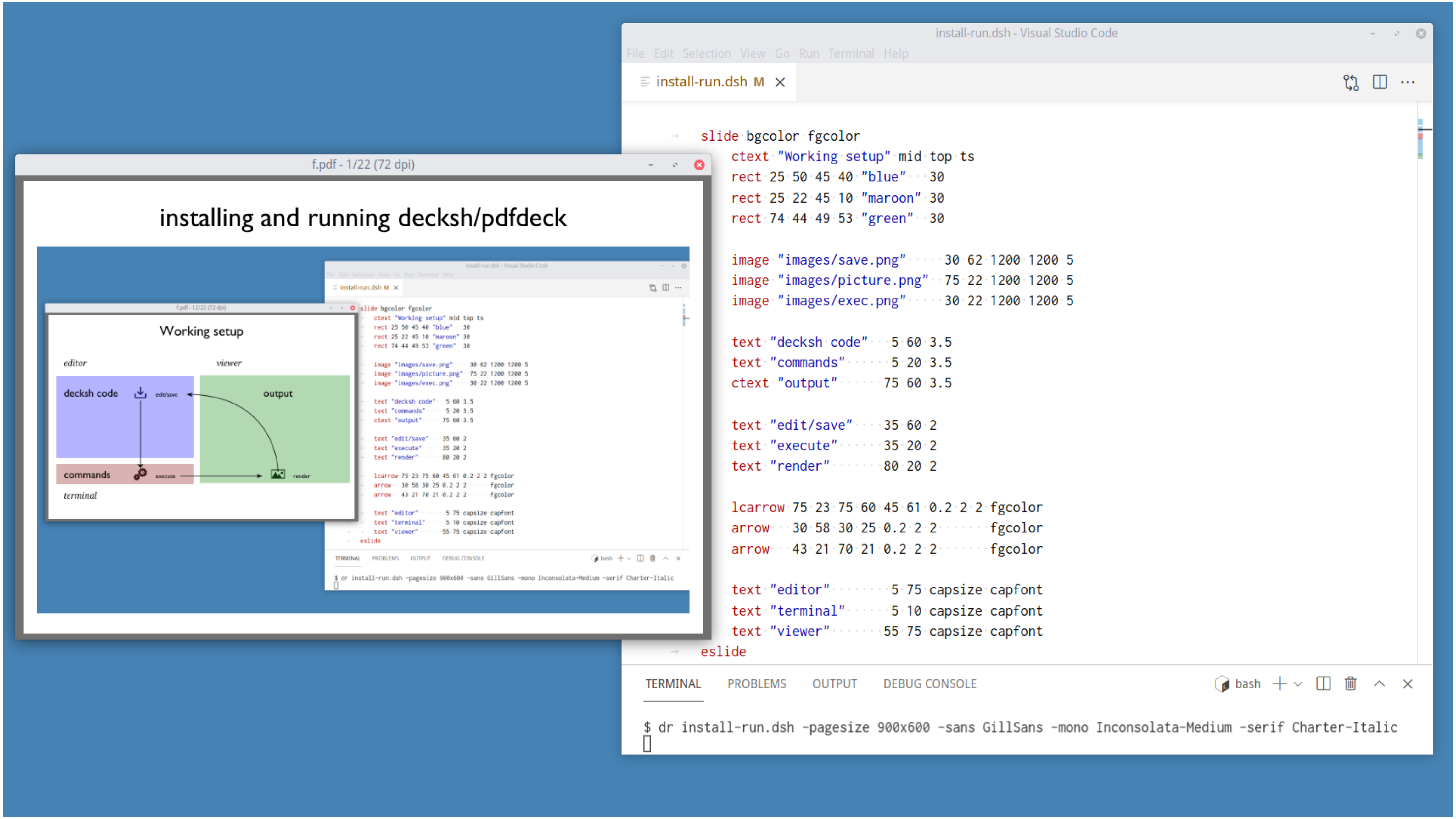
# Installing and Running decksh/pdfdeck



```
slide bgcolor fgcolor
    ctext "Working setup" mid top ts
    rect 25 50 45 40 "blue"   30
    rect 25 22 45 10 "maroon" 30
    rect 74 44 49 53 "green"  30

    image "images/save.png"    30 62 1200 1200 5
    image "images/picture.png" 75 22 1200 1200 5
    image "images/exec.png"    30 22 1200 1200 5

    text "decksh code"  5 60 3.5
    text "commands"     5 20 3.5
    ctext "output"     75 60 3.5

    text "edit/save"   35 60 2
    text "execute"     35 20 2
    text "render"      80 20 2

    lcarrow 75 23 75 60 45 61 0.2 2 2 fgcolor
    arrow   30 58 30 25 0.2 2 2       fgcolor
    arrow   43 21 70 21 0.2 2 2       fgcolor

    text "editor"       5 75 capsize capfont
    text "terminal"     5 10 capsize capfont
    text "viewer"      55 75 capsize capfont
eslide
```

```
$ dr install-run.dsh -pagesize 900x600 -sans GillSans -mono Inconsolata-Medium -serif Charter-Italic
```

# Installing

# Installing using go and git

```
$ go install github.com/ajstarks/decksh/cmd/decksh@latest
```

Install the latest version of decksh

```
$ go install github.com/ajstarks/deck/cmd/pdfdeck@latest
```

Install the latest version of pdfdeck

```
$ git clone https://github.com/ajstarks/deckfonts $HOME
```

Install fonts into $HOME/deckfonts

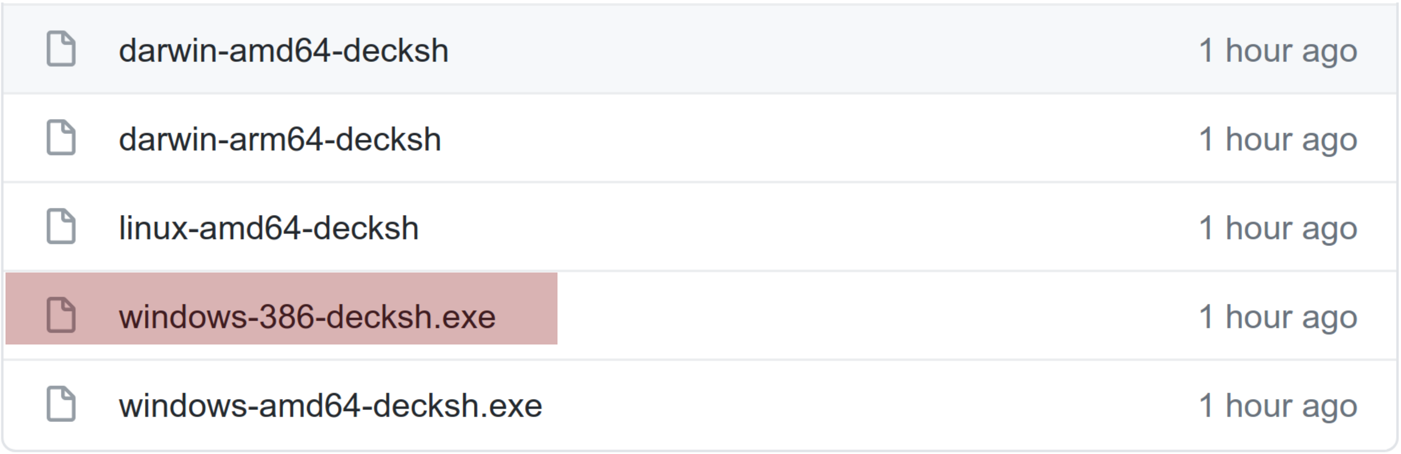
```
$ decksh -help
$ pdfdeck -help
```

Do a test run of decksh and pdfdeck

(Update your PATH environment variable to include the location of the installed binaries, typically $HOME/go/bin)

# Installing decksh and pdfdeck binaries

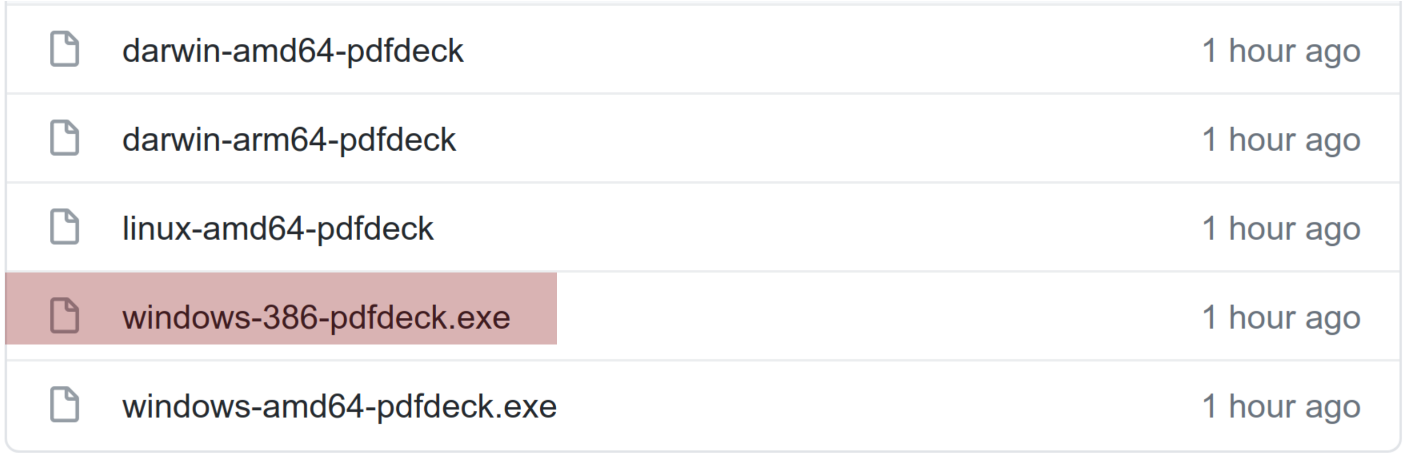
`https://github.com/ajstarks/decksh/tree/master/cmd/decksh/binaries`



| | |
|---|---|
| darwin-amd64-decksh | 1 hour ago |
| darwin-arm64-decksh | 1 hour ago |
| linux-amd64-decksh | 1 hour ago |
| windows-386-decksh.exe | 1 hour ago |
| windows-amd64-decksh.exe | 1 hour ago |

Pick your type, download, rename to 'decksh', place where your apps live.

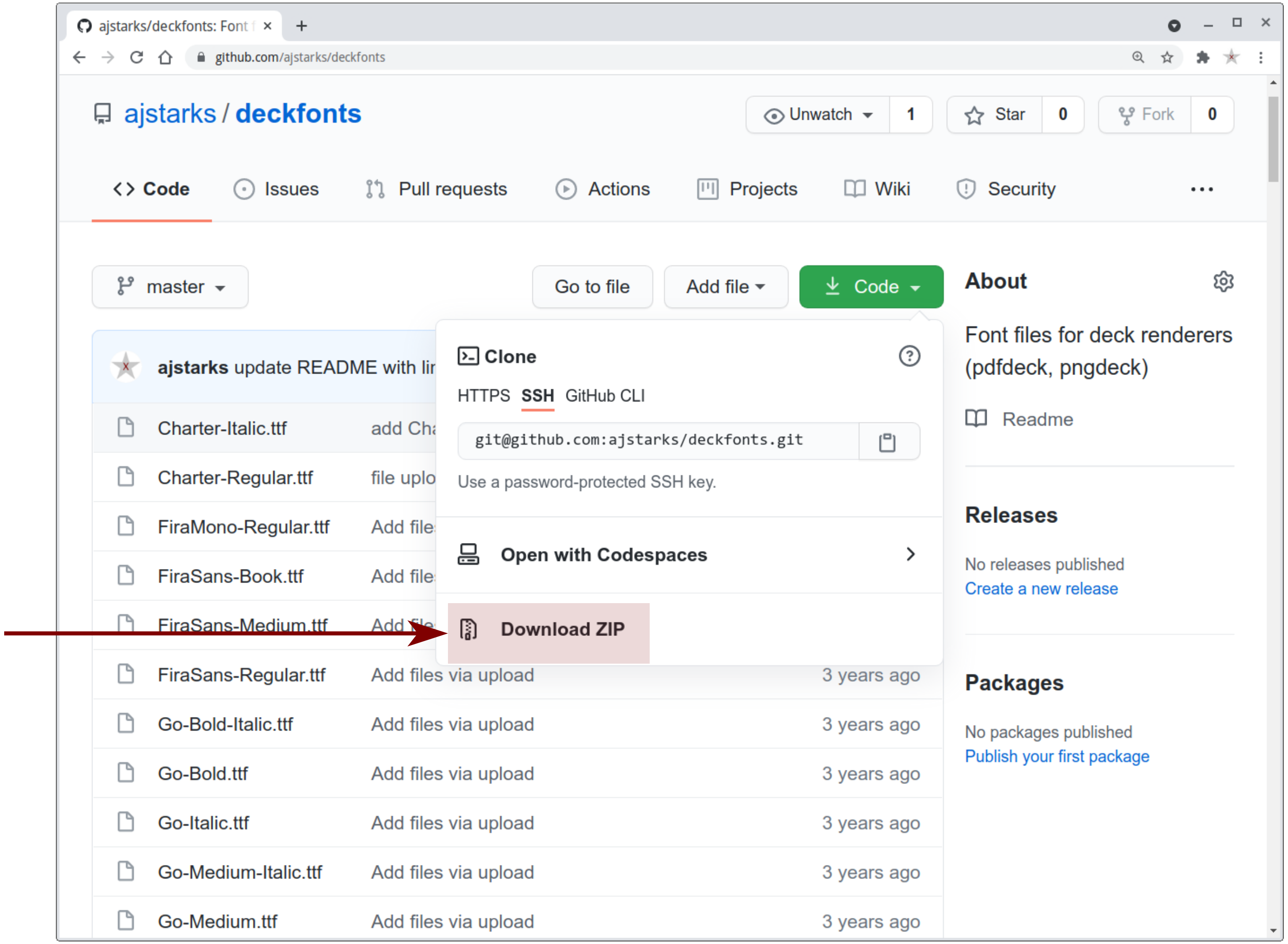
`https://github.com/ajstarks/deck/tree/master/cmd/pdfdeck/binaries`



| | |
|---|---|
| darwin-amd64-pdfdeck | 1 hour ago |
| darwin-arm64-pdfdeck | 1 hour ago |
| linux-amd64-pdfdeck | 1 hour ago |
| windows-386-pdfdeck.exe | 1 hour ago |
| windows-amd64-pdfdeck.exe | 1 hour ago |

Pick your type, download, rename to 'pdfdeck', place where your apps live.

# Downloading the fonts



ajstarks update README with lir

```
git@github.com:ajstarks/deckfonts.git
```

Use a password-protected SSH key.

Font files for deck renderers (pdfdeck, pngdeck)

| | | |
|---|---|---|
| Charter-Italic.ttf | add Cha | |
| Charter-Regular.ttf | file uplo | |
| FiraMono-Regular.ttf | Add file | |
| FiraSans-Book.ttf | Add file | |
| FiraSans-Medium.ttf | Add file | |
| FiraSans-Regular.ttf | Add files via upload | 3 years ago |
| Go-Bold-Italic.ttf | Add files via upload | 3 years ago |
| Go-Bold.ttf | Add files via upload | 3 years ago |
| Go-Italic.ttf | Add files via upload | 3 years ago |
| Go-Medium-Italic.ttf | Add files via upload | 3 years ago |
| Go-Medium.ttf | Add files via upload | 3 years ago |

Download, unzip to your home directory.

# Fonts Catalog

# Default Fonts

Times times timesi timesi timesb timesbi

Hamburgevons 0123456789

Helvetica helvetica helveticai helveticab helveticabi

Hamburgevons 0123456789

Courier courier courieri courierb courierbi

Hamburgevons 0123456789

# Alternative serif, sans, mono

Charter Charter-Regular Charter-Italic

Hamburgevons 0123456789

Fira Sans FiraSans-Book FiraSans-Medium FiraSans-Regular

Hamburgevons 0123456789

Inconsolata Inconsolata-Regular Inconsolata-Bold Inconsolata-Medium Inconsolata-Condensed

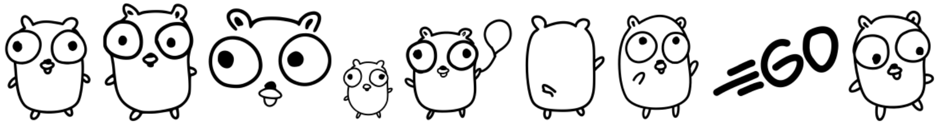
Hamburgevons 0123456789

# Symbol fonts

Zapf Dingbats zapfdingbats

✡✢✣✤✥✦✧★☆

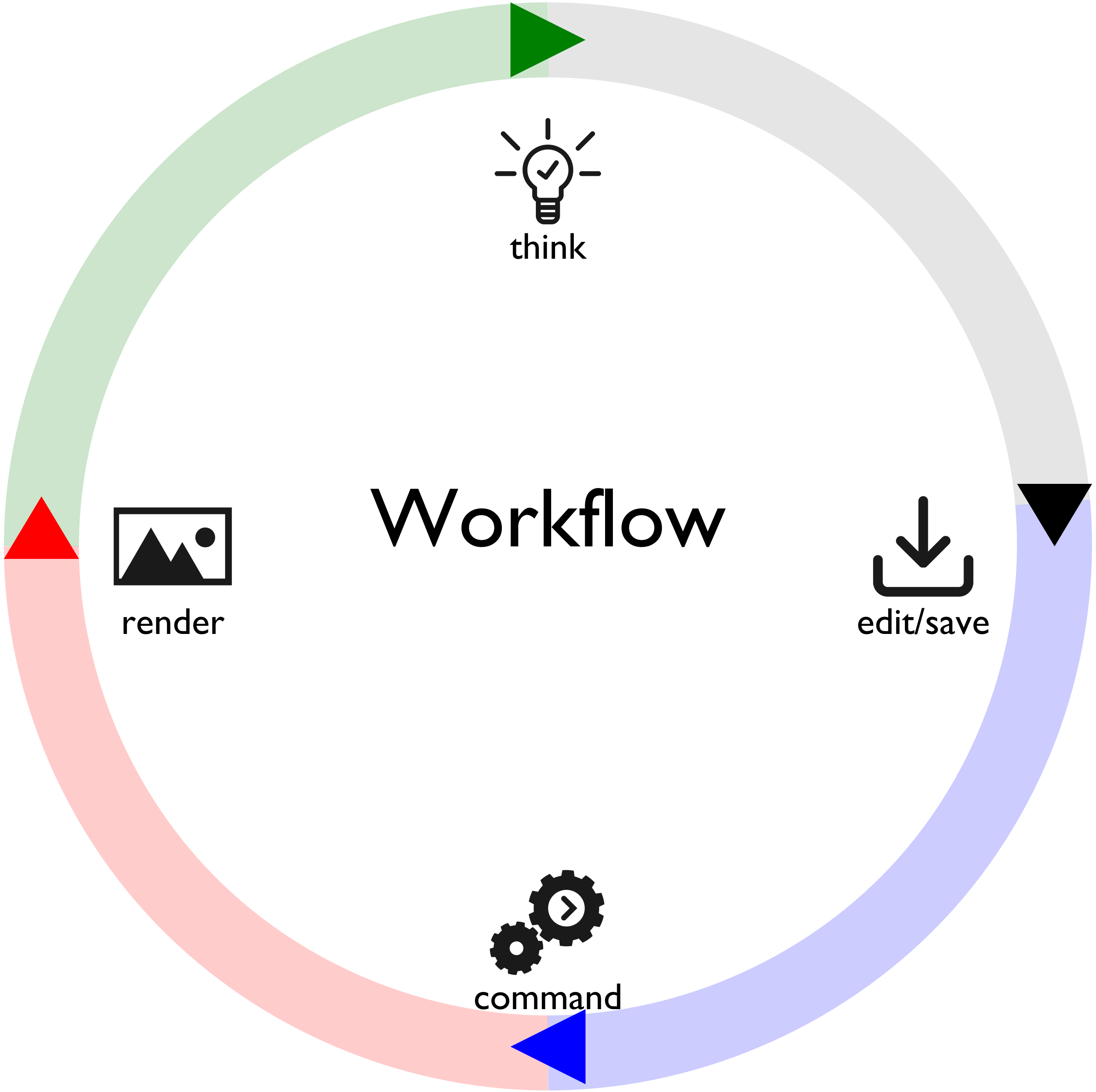
Gophers gophers



State Face stateface

Wee People weepeople

# Running



Workflow

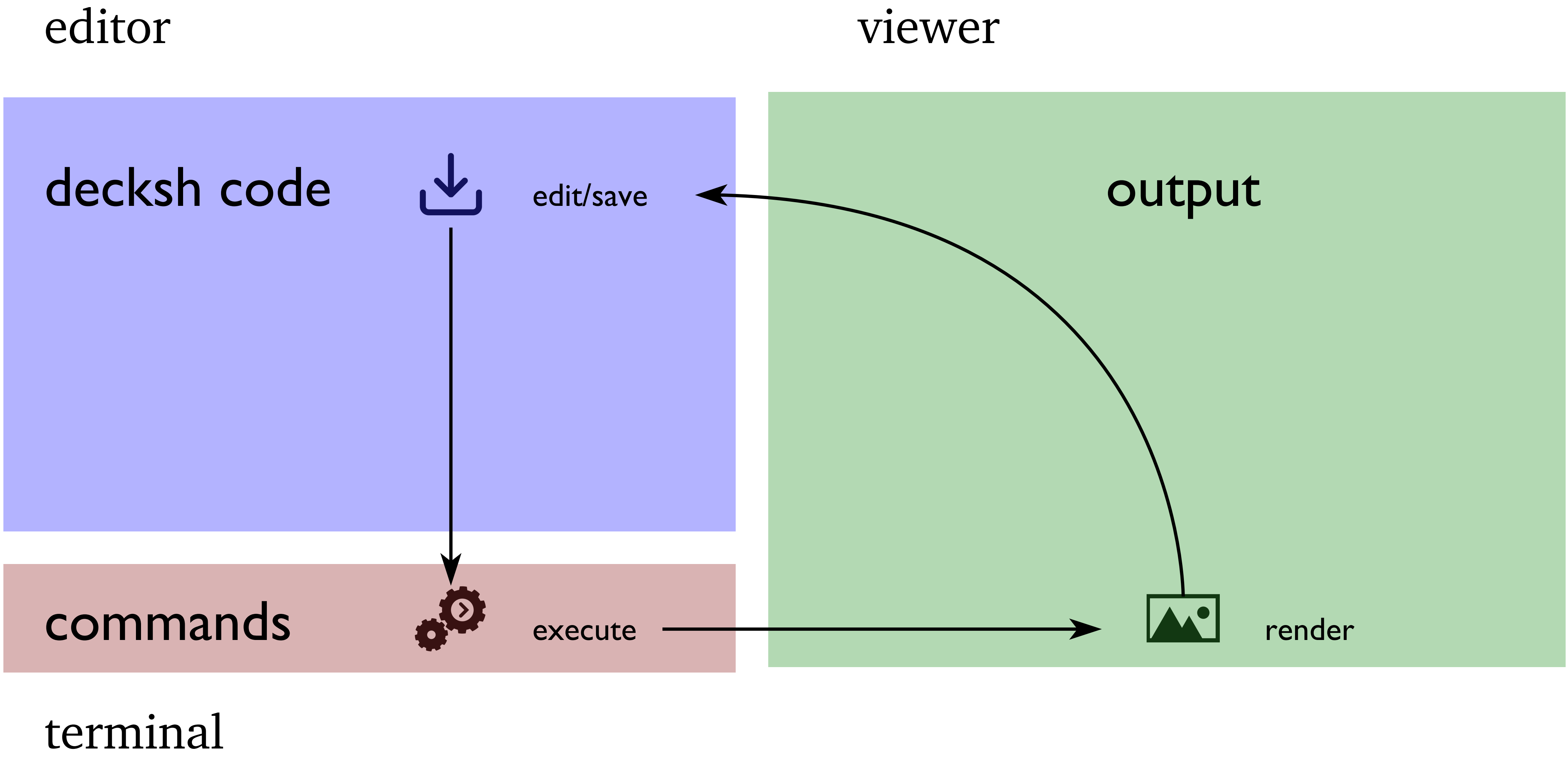
think

edit/save

command

render

# Working setup

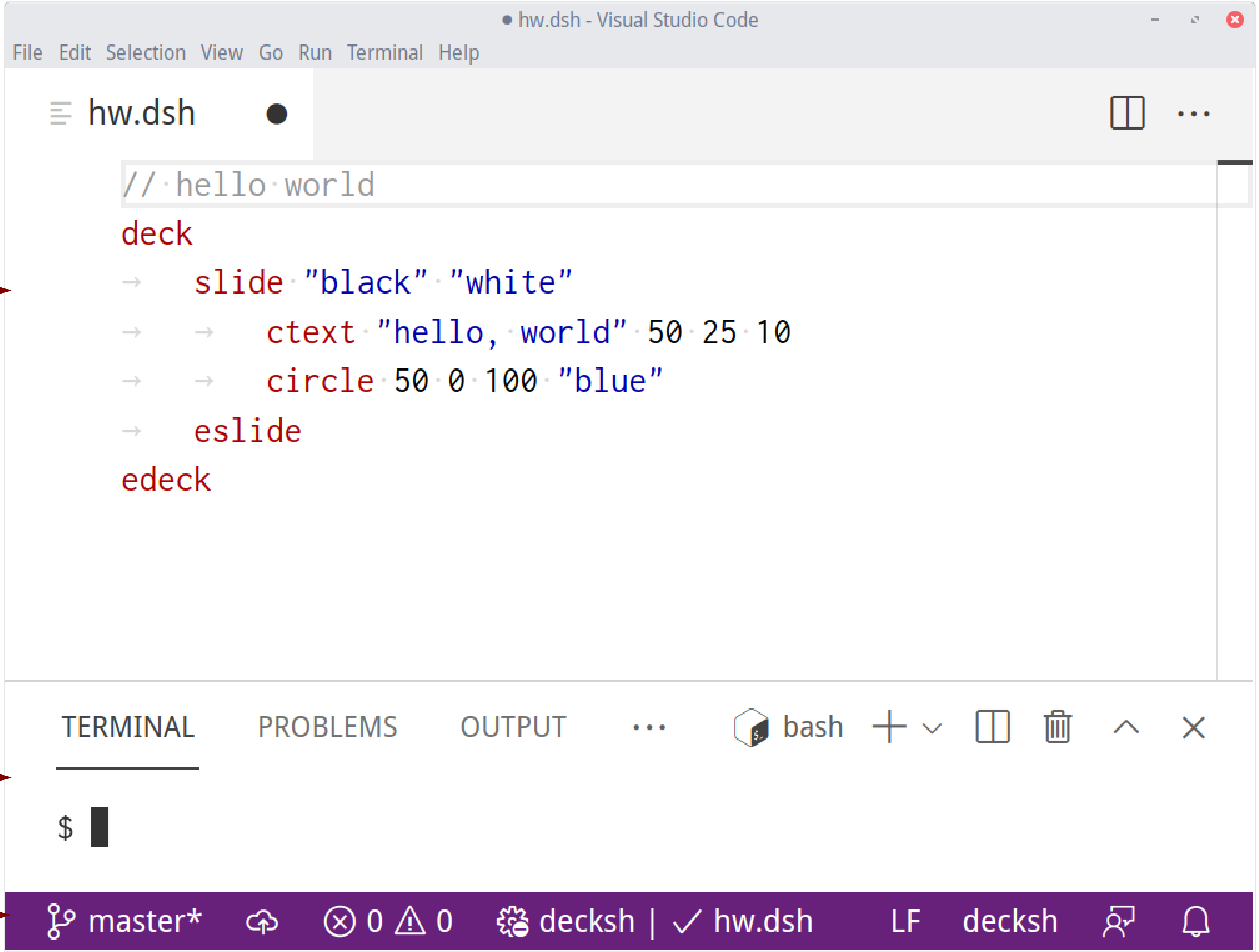


# VSCode: Editor for Mac, Windows, and Linux

decksh code with syntax highlighting

Integrated terminal

Status showing decksh mode

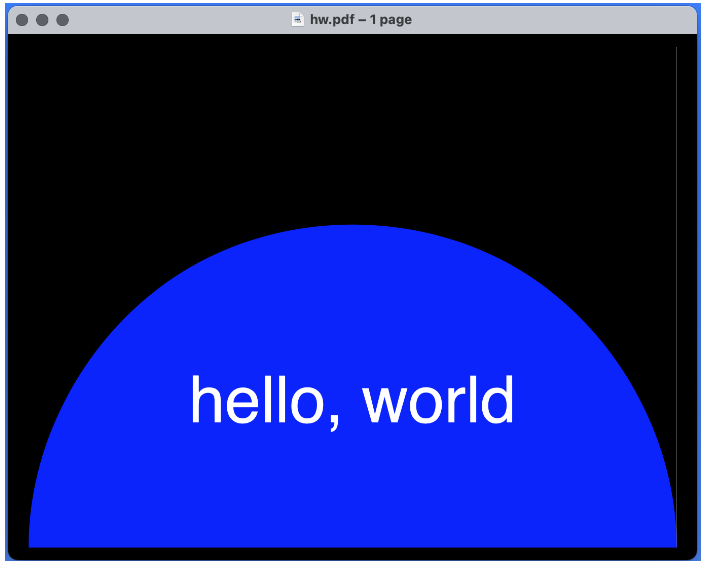


● hw.dsh - Visual Studio Code
File Edit Selection View Go Run Terminal Help
hw.dsh ●
TERMINAL PROBLEMS OUTPUT ···
bash
master*
⊗ 0 ⚠ 0
decksh | ✓ hw.dsh
LF
decksh

```
// hello world
deck
	slide "black" "white"
		ctext "hello, world" 50 25 10
		circle 50 0 100 "blue"
	eslide
edeck
```

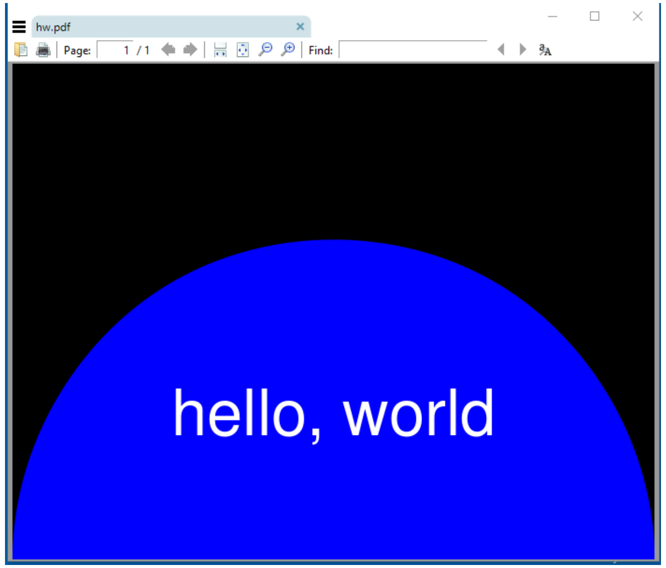
```
$ █
```

# PDF Readers



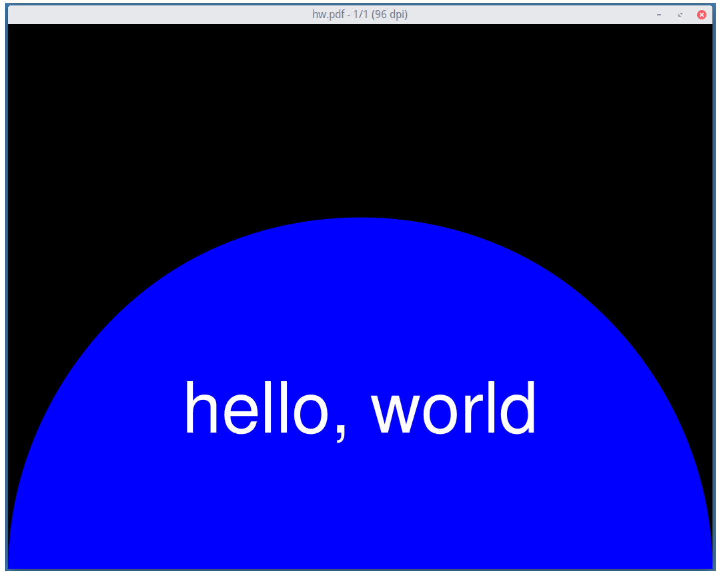
hello, world

Mac: Preview



hello, world

Windows: Sumatra PDF



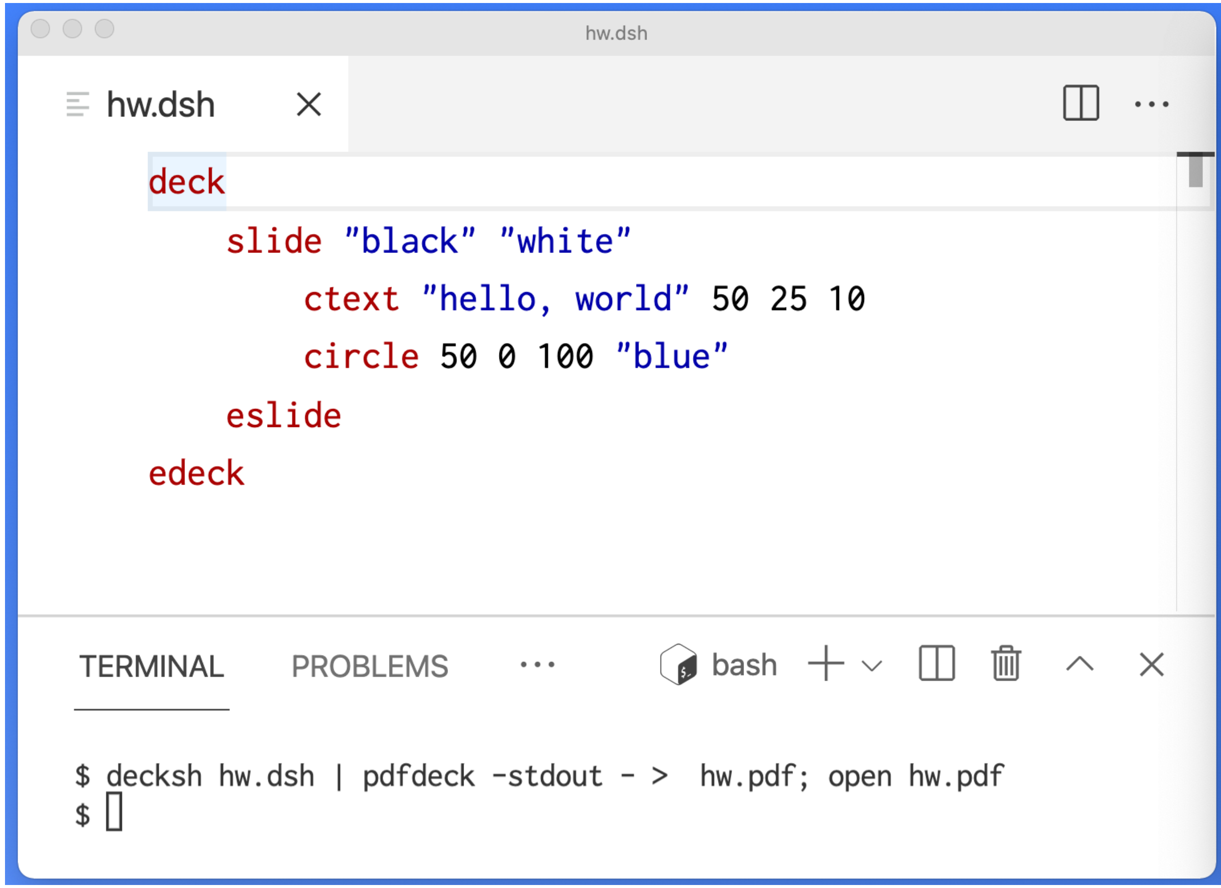
hello, world

Linux: mupdf

# Mac OS

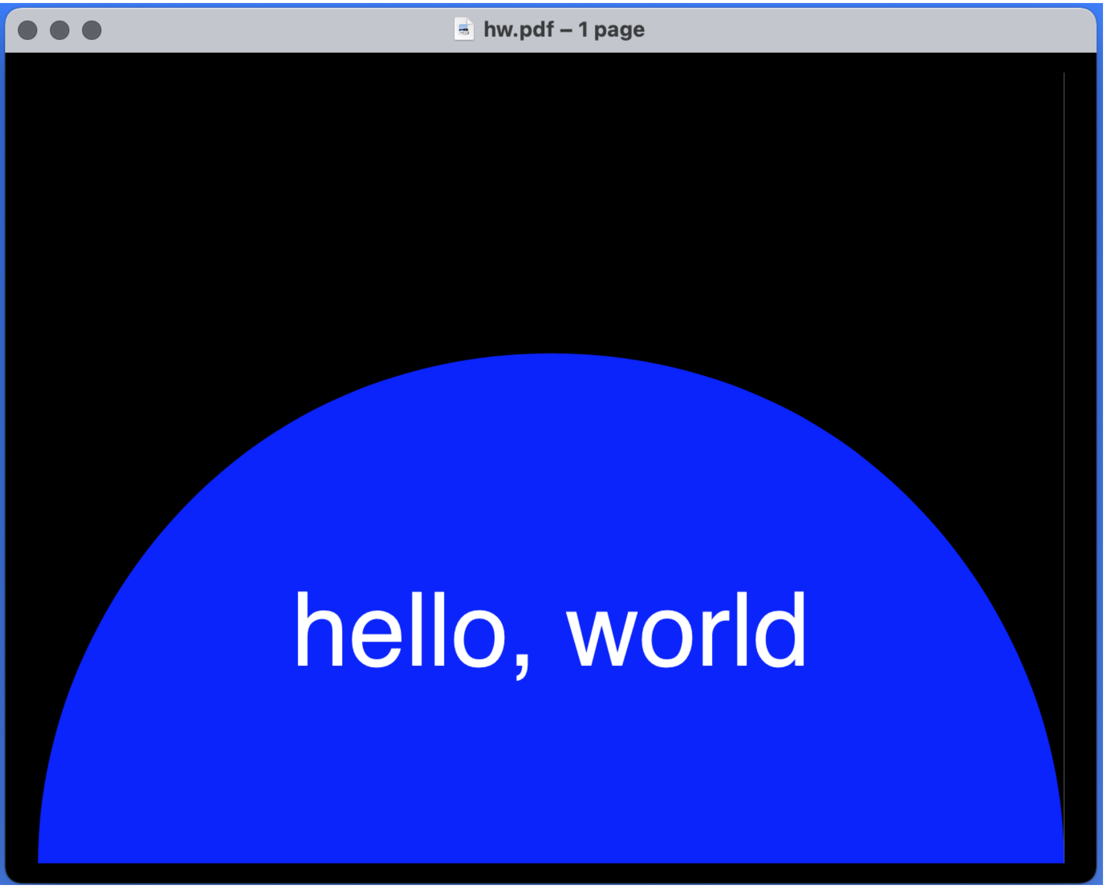
editor: VSCode

viewer: Preview



```
deck
    slide "black" "white"
        ctext "hello, world" 50 25 10
        circle 50 0 100 "blue"
    eslide
edeck
```

```
$ decksh hw.dsh | pdfdeck -stdout - >  hw.pdf; open hw.pdf
$ 
```

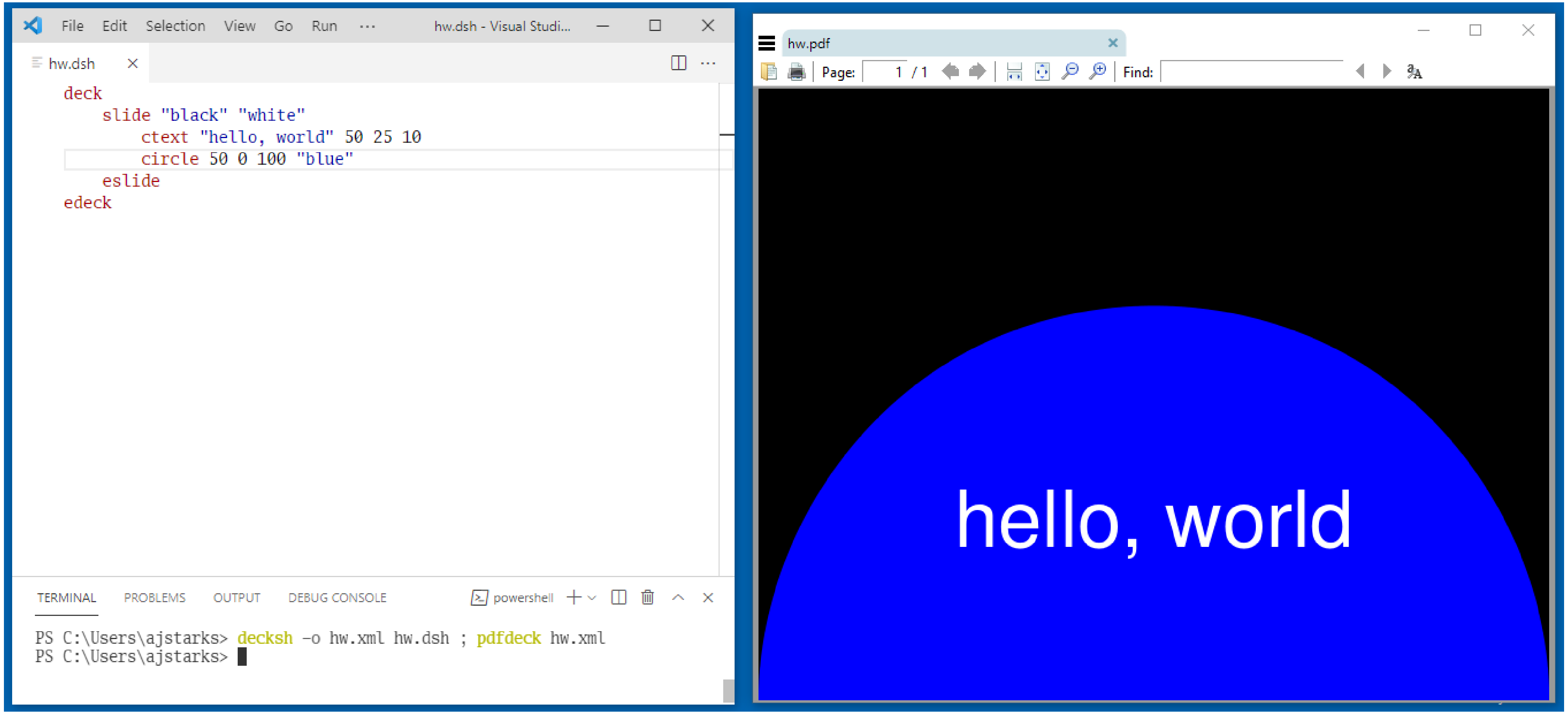


terminal: VSCode

# Windows

editor: VSCode

viewer: Sumatra PDF



```
deck
    slide "black" "white"
        ctext "hello, world" 50 25 10
        circle 50 0 100 "blue"
    eslide
edeck
```

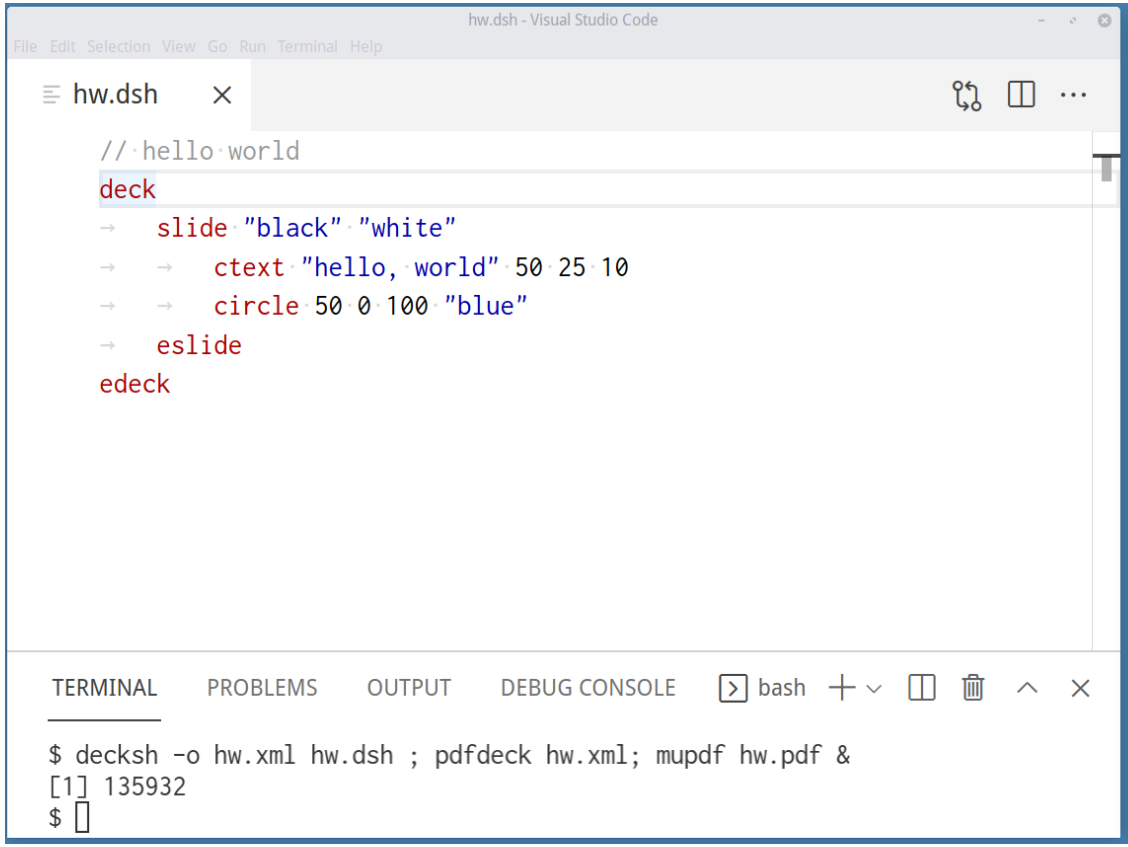
```
PS C:\Users\ajstarks> decksh -o hw.xml hw.dsh ; pdfdeck hw.xml
PS C:\Users\ajstarks>
```

terminal: VSCode

# Linux

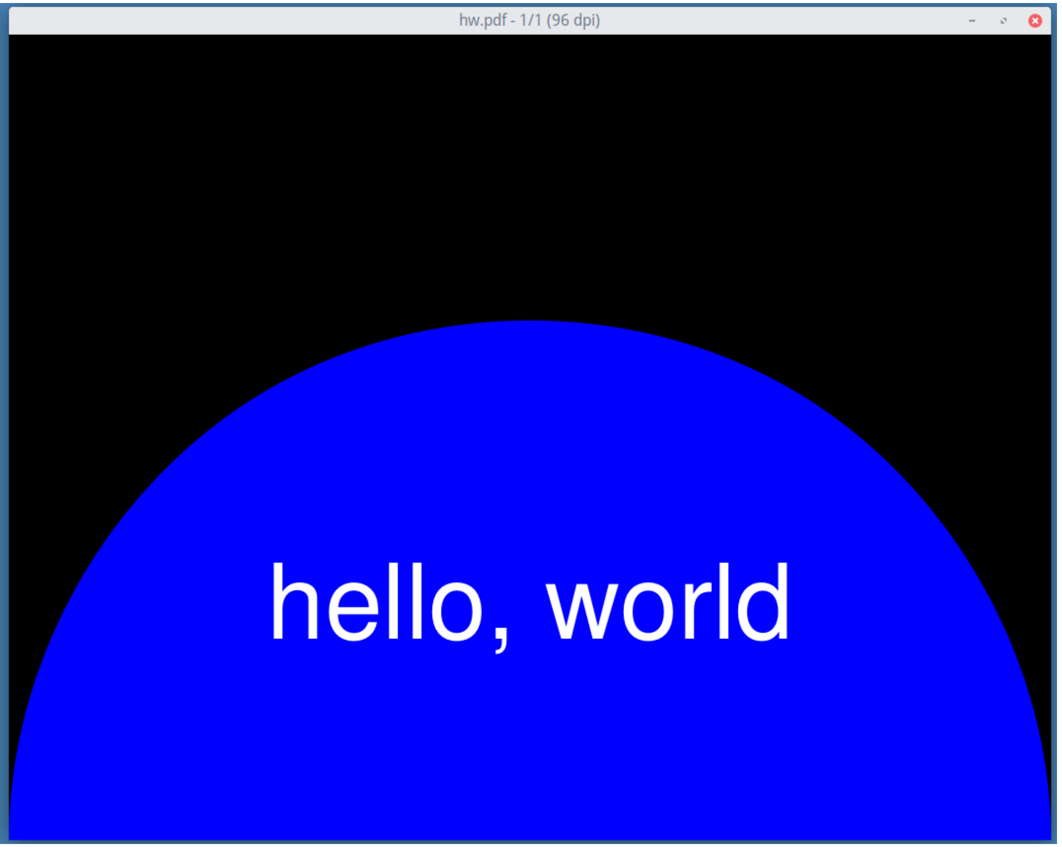
editor: VSCode

viewer: mupdf


hw.dsh - Visual Studio Code
File Edit Selection View Go Run Terminal Help
hw.dsh
TERMINAL
PROBLEMS
OUTPUT
DEBUG CONSOLE
bash

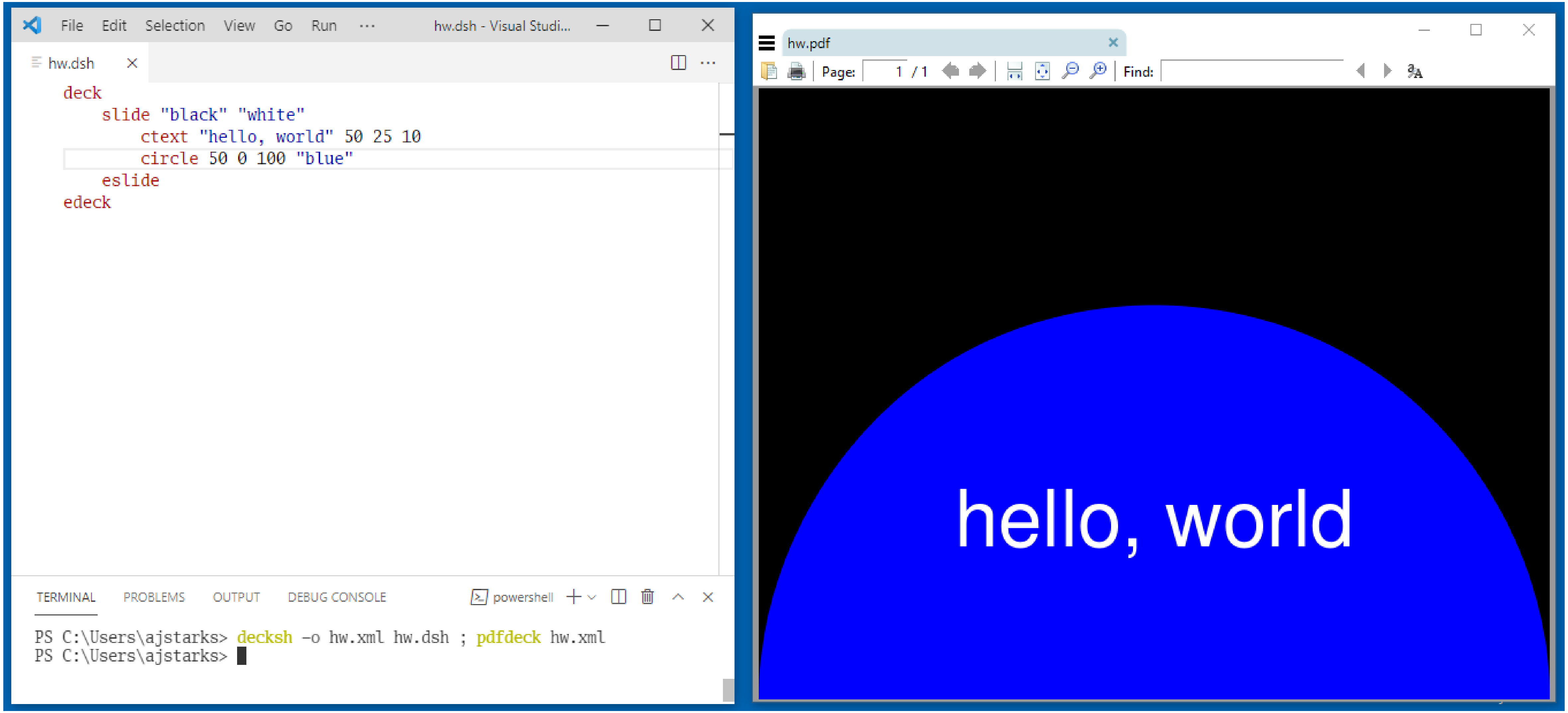
```
// hello world
deck
	slide "black" "white"
		ctext "hello, world" 50 25 10
		circle 50 0 100 "blue"
	eslide
edeck
```

```
$ decksh -o hw.xml hw.dsh ; pdfdeck hw.xml; mupdf hw.pdf &
[1] 135932
$ 
```



terminal: VSCode

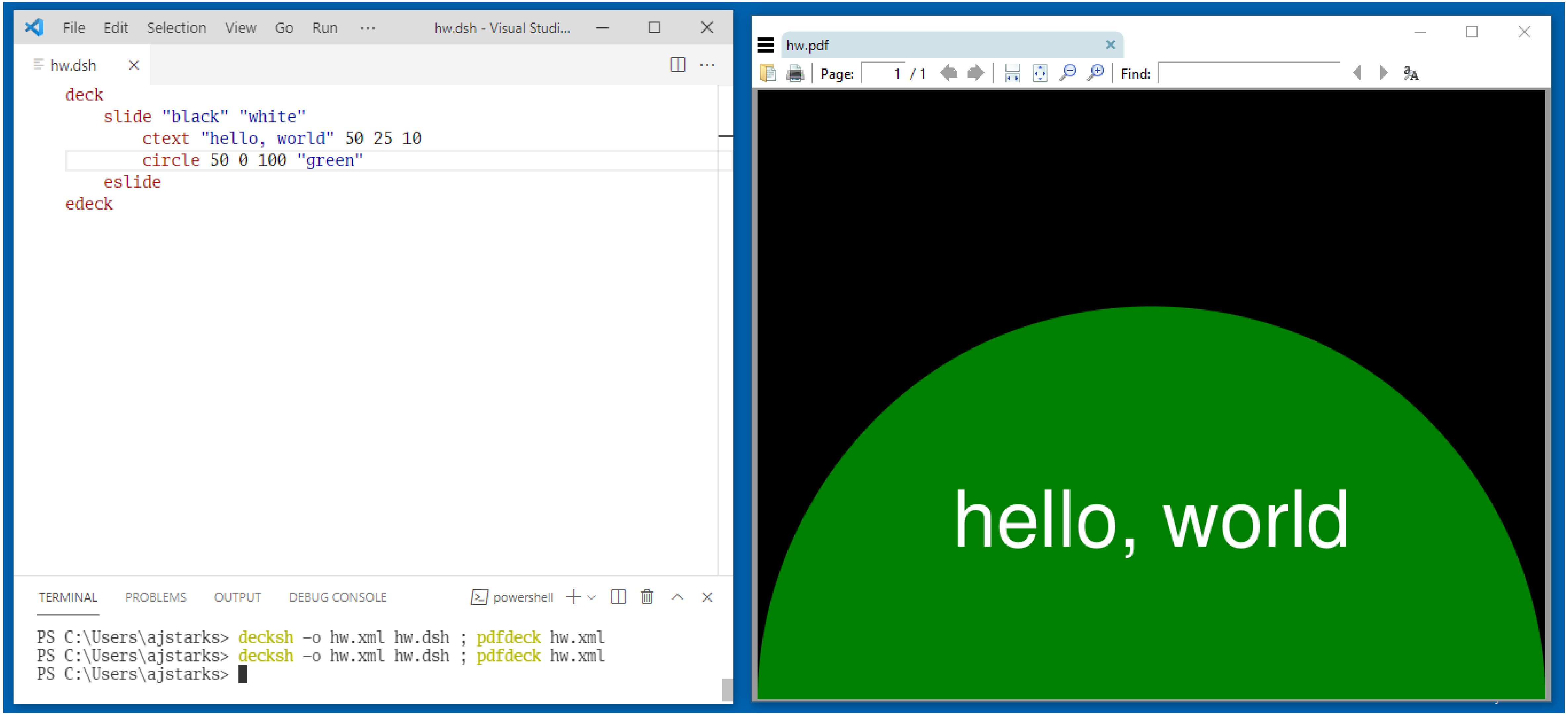
# Render



```
deck
    slide "black" "white"
        ctext "hello, world" 50 25 10
        circle 50 0 100 "blue"
    eslide
edeck
```

```
PS C:\Users\ajstarks> decksh -o hw.xml hw.dsh ; pdfdeck hw.xml
PS C:\Users\ajstarks>
```

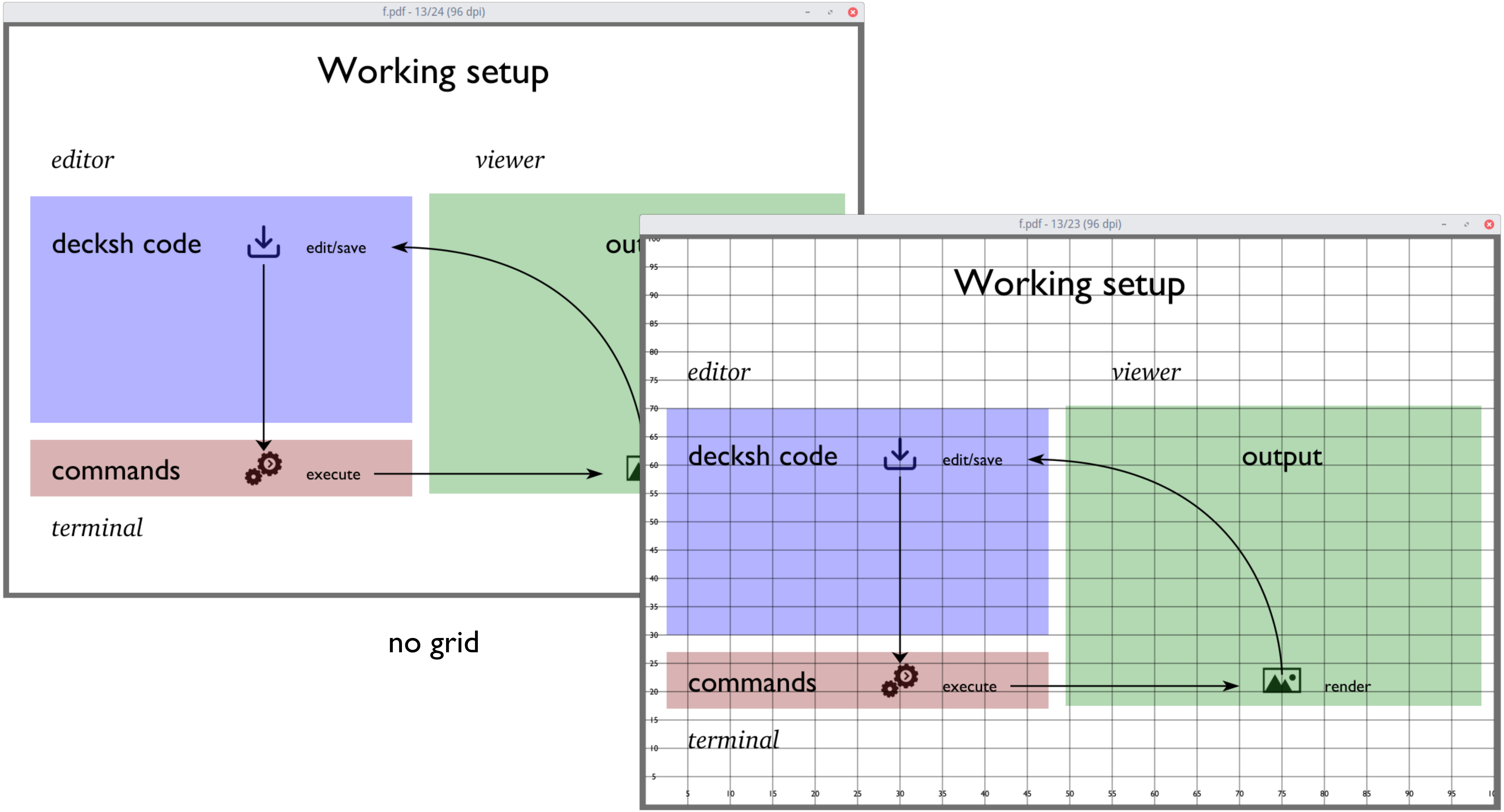
# Update



```
deck
    slide "black" "white"
        ctext "hello, world" 50 25 10
        circle 50 0 100 "green"
    eslide
edeck
```

```
PS C:\Users\ajstarks> decksh -o hw.xml hw.dsh ; pdfdeck hw.xml
PS C:\Users\ajstarks> decksh -o hw.xml hw.dsh ; pdfdeck hw.xml
PS C:\Users\ajstarks>
```

# Using the -grid option



no grid

-grid 5

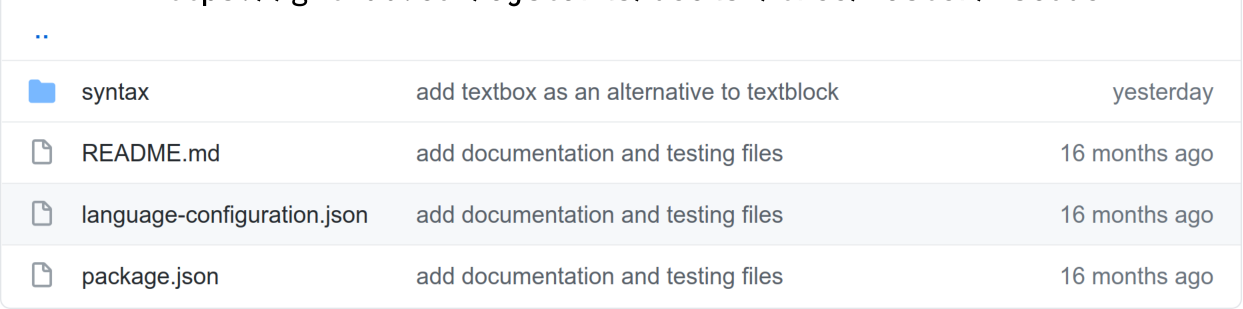
# VSCode setup

## copy this to your settings

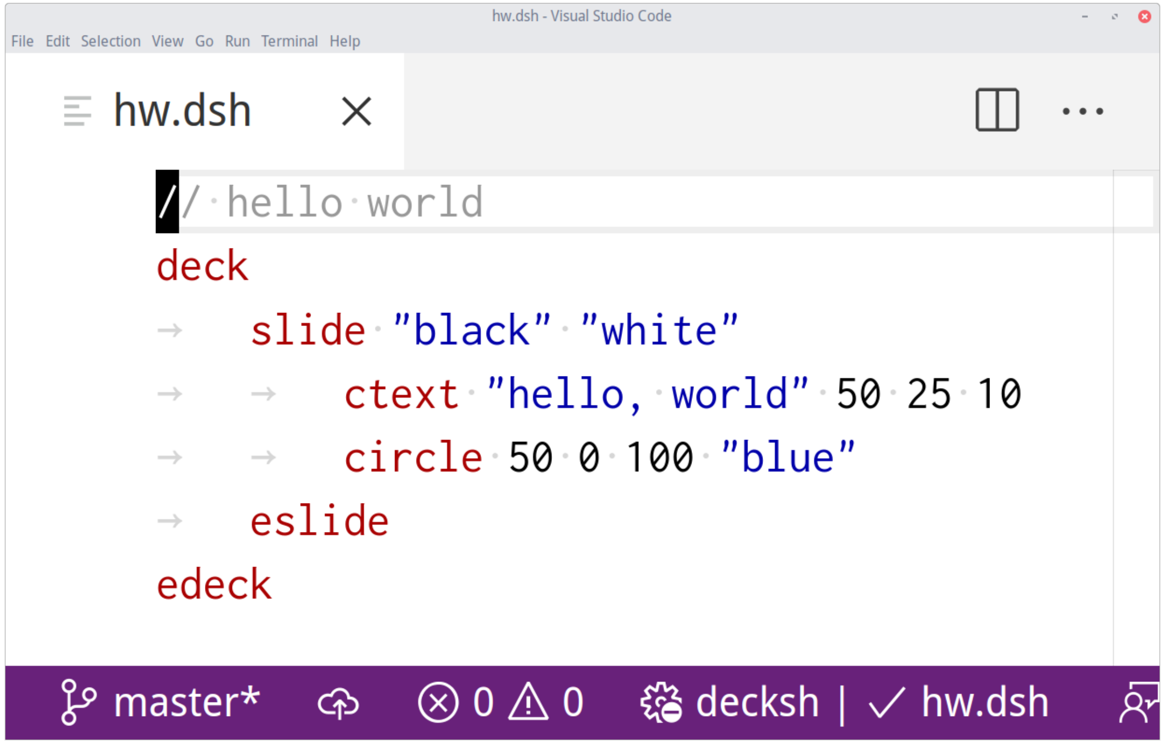
```
"editor.tokenColorCustomizations": {
    "textMateRules": [
     {
       "scope": "keyword.other.command.decksh",
       "settings": {
           "foreground": "#AA0000"
       }
    },
    ...
}
```

## copy to .vscode/extensions/ajstarks.decksh-1.0.0

```
https://github.com/ajstarks/decksh/tree/master/vscode
```



| .. | | |
|---|---|---|
| syntax | add textbox as an alternative to textblock | yesterday |
| README.md | add documentation and testing files | 16 months ago |
| language-configuration.json | add documentation and testing files | 16 months ago |
| package.json | add documentation and testing files | 16 months ago |

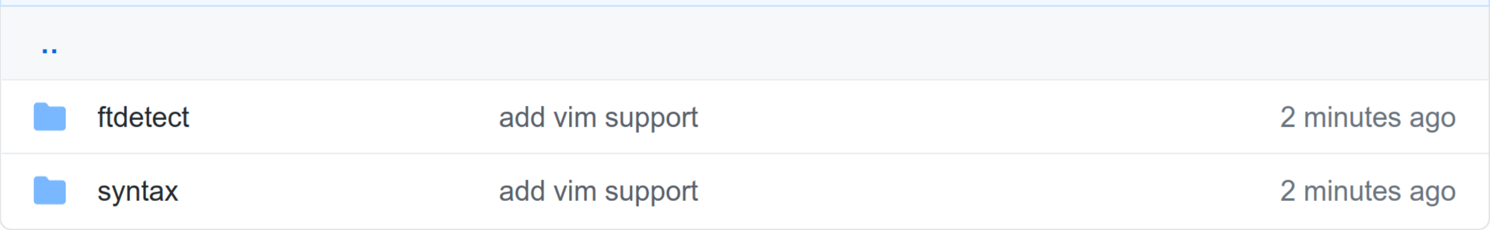

hw.dsh - Visual Studio Code
File Edit Selection View Go Run Terminal Help
hw.dsh
master*
0 0
decksh | ✓ hw.dsh

```
// hello world
deck
	slide "black" "white"
		ctext "hello, world" 50 25 10
		circle 50 0 100 "blue"
	eslide
edeck
```

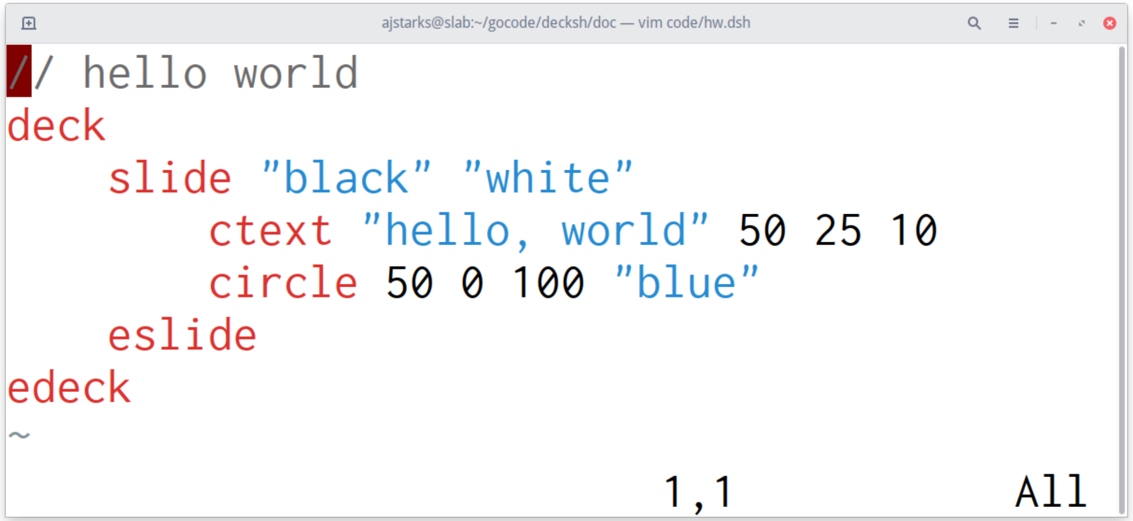
# vim setup

copy to .vim

`https://github.com/ajstarks/decksh/tree/master/vim`



| .. | | |
|---|---|---|
| ftdetect | add vim support | 2 minutes ago |
| syntax | add vim support | 2 minutes ago |



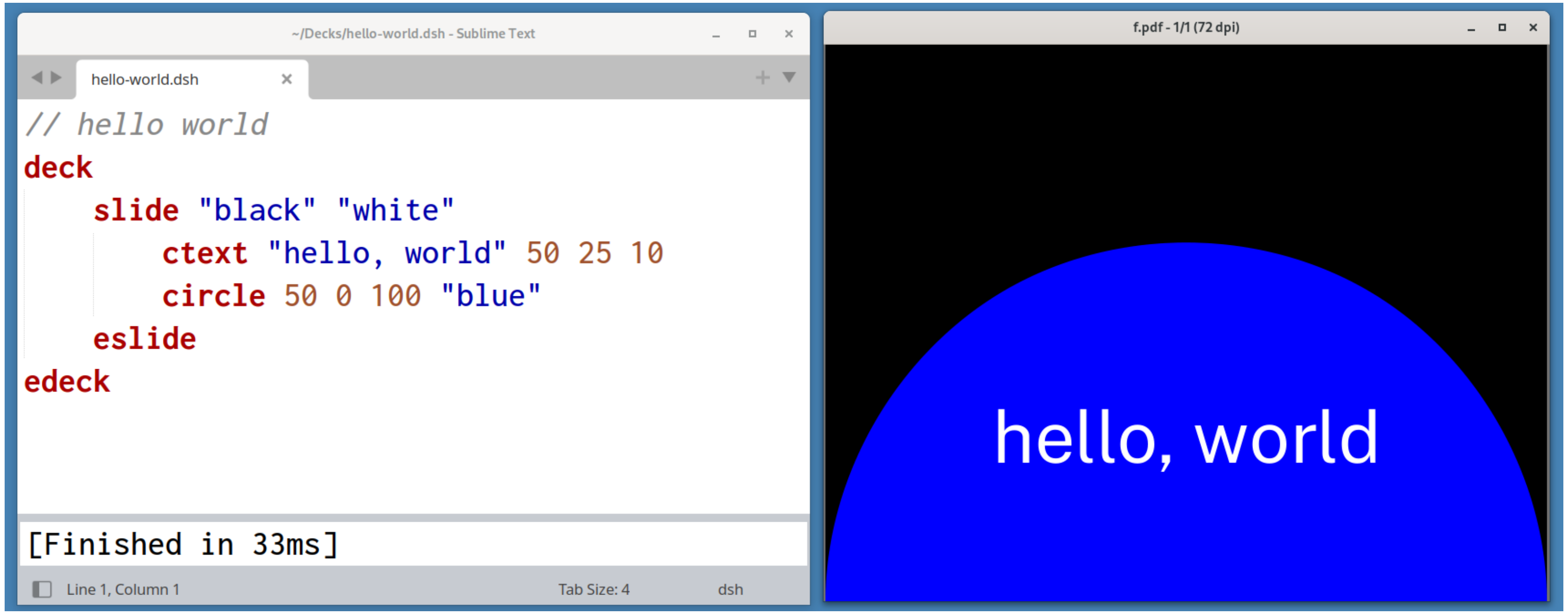
```
// hello world
deck
    slide "black" "white"
        ctext "hello, world" 50 25 10
        circle 50 0 100 "blue"
    eslide
edeck
~
                          1,1            All
```

# Sublime Text Setup

```
{
    "shell_cmd": "decksh $file|dpdfr"
}
```

```
#!/bin/bash
# dpdfr
if test -e ./mkdeck
then
    ./mkdeck && pkill -HUP mupdf
else
    pdfdeck -sans $decksans \
    -serif $deckserif \
    -mono $deckmono \
    -stdout "$@" - > f.pdf && pkill -HUP mupdf
fi
```

CTRL-B to build and display



```
// hello world
deck
    slide "black" "white"
        ctext "hello, world" 50 25 10
        circle 50 0 100 "blue"
    eslide
edeck
```

```
[Finished in 33ms]
```

# The command line

# decksh command usage

| | |
|---|---|
| `decksh` | read from stdin, write to stdout |
| `decksh in.dsh` | read from file, write to stdout |
| `decksh -o out.xml` | read from stdin, write to file |
| `decksh -o out.xml in.dsh` | read from file, write to file |

```
decksh example.dsh | pdfdeck ...
```

# pdfdeck [options] inputfile

| Option | Default | Description |
|---|---|---|
| `-sans` | helvetica | Sans Serif font |
| `-serif` | times | Serif font |
| `-mono` | courier | Monospace font |
| `-symbol` | zapfdingbats | Symbol font |
| `-pages` | 1-1000000 | Pages to output (first-last) |
| `-pagesize` | Letter | Page size (w,h or Legal, Tabloid, A[3-5], ArchA, 4R, Index) |
| `-grid` | 0 | Draw a grid at specified % (0 for no grid) |
| `-fontdir` | $HOME/deckfonts | Font directory |
| `-outdir` | Current directory | Output directory |
| `-stdout` | false | Output to standard output |
| `-author` | "" | Document author |
| `-title` | "" | Document title |

# command examples

```
decksh -o file.xml file.dsh; pdfdeck file.xml
```

process file.dsh to file.xml to file.pdf

```
decksh file.dsh | pdfdeck -stdout - > output.pdf
```

Pipe the output from decksh, making output.pdf

```
pdfdeck -pagesize 1920,1080 -pages 10-20 -grid 5 file.xml
```

render pages 10-20 to file.pdf, page size of 1920 (width) x 1080 (height) pixels, on a 5% grid

```
pdfdeck -sans FiraSans-Regular -serif Charter-Regular -mono Inconsolata-Bold file.xml
```

use FiraSans-Regular.ttf, Charter-Regular.ttf, and Inconsolata-Bold.ttf from the deckfonts directory

```
echo file.dsh|entr -s 'decksh file.dsh|pdfdeck -stdout - > f.pdf; pkill -HUP mupdf'
```

When file.dsh changes, make f.pdf, and refresh the viewer