

# Installing and Running decksh/pdfdeck



```
install-run.dsh - Visual Studio Code
File Edit Selection View Go Run Terminal Help

install-run.dsh M X

→ 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

  larrow 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

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE
$ 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*

```
$ cd $HOME
```

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

*Install fonts into \$HOME/deckfonts*

```
$ decksh -? ; pdfdeck -?
```

*Do a test run of decksh and pdfdeck*

# 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>

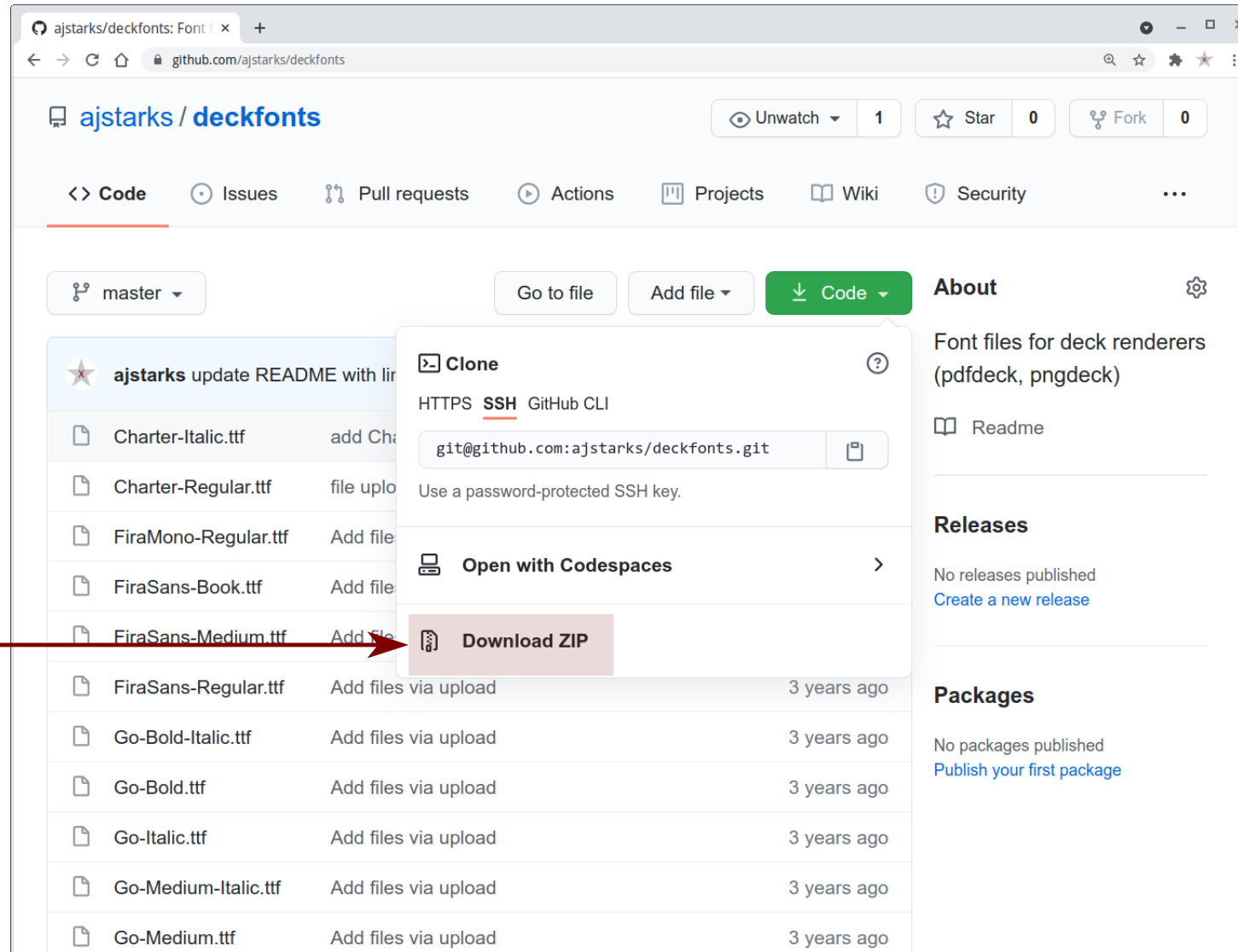
 darwin-amd64-pdfdeck	1 hour ago
 darwin-arm64-pdfdeck	1 hour ago
 linux-amd64-pdfdeck	1 hour ago
 windows-386-pdfdeck.exe	1 hour ago
 windows-amd64-pdfdeck.exe	1 hour ago

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



# Downloading the fonts

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

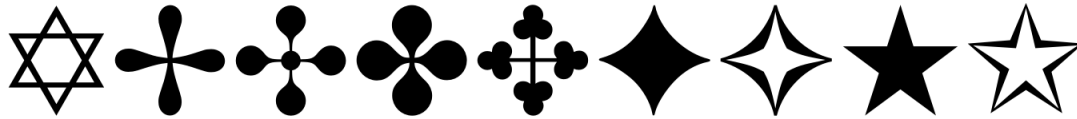
Hamburgevons 0123456789



# Symbol fonts

## Zapf Dingbats

zapfdingbats



# Gophers

gophers



## State Face

stateface



# Wee People

weepeople



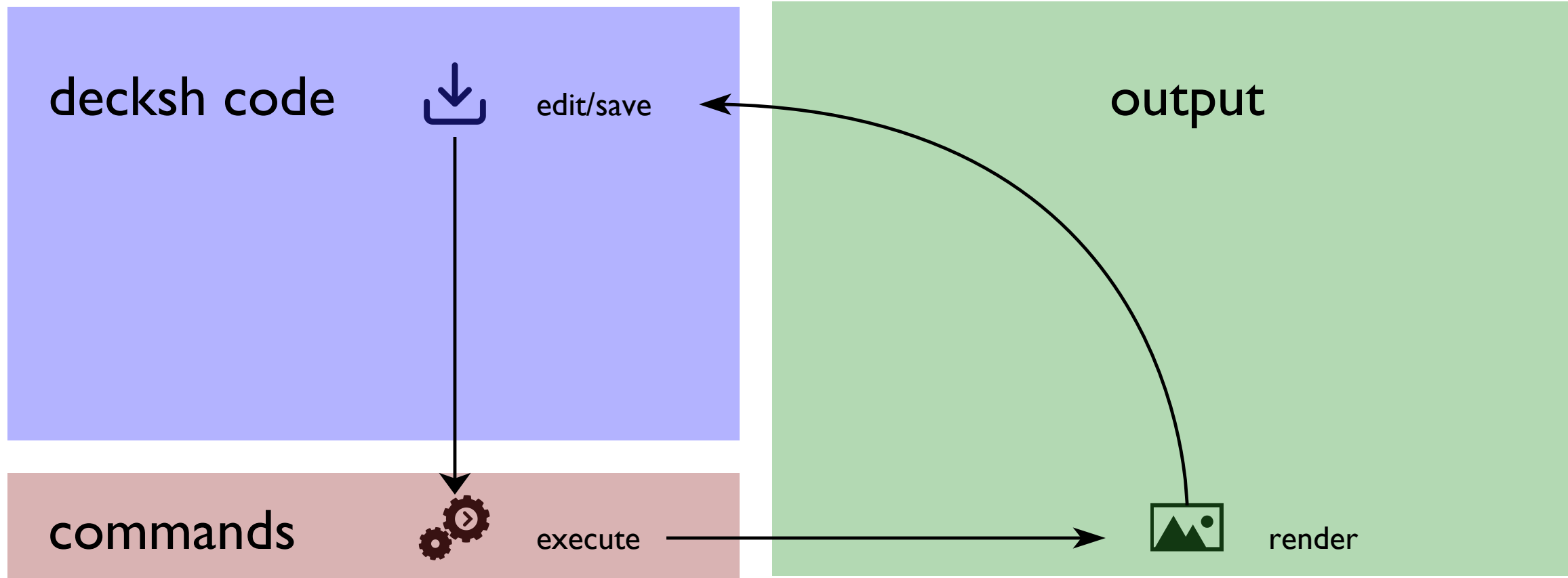
# Running



# Working setup

*editor*

*viewer*



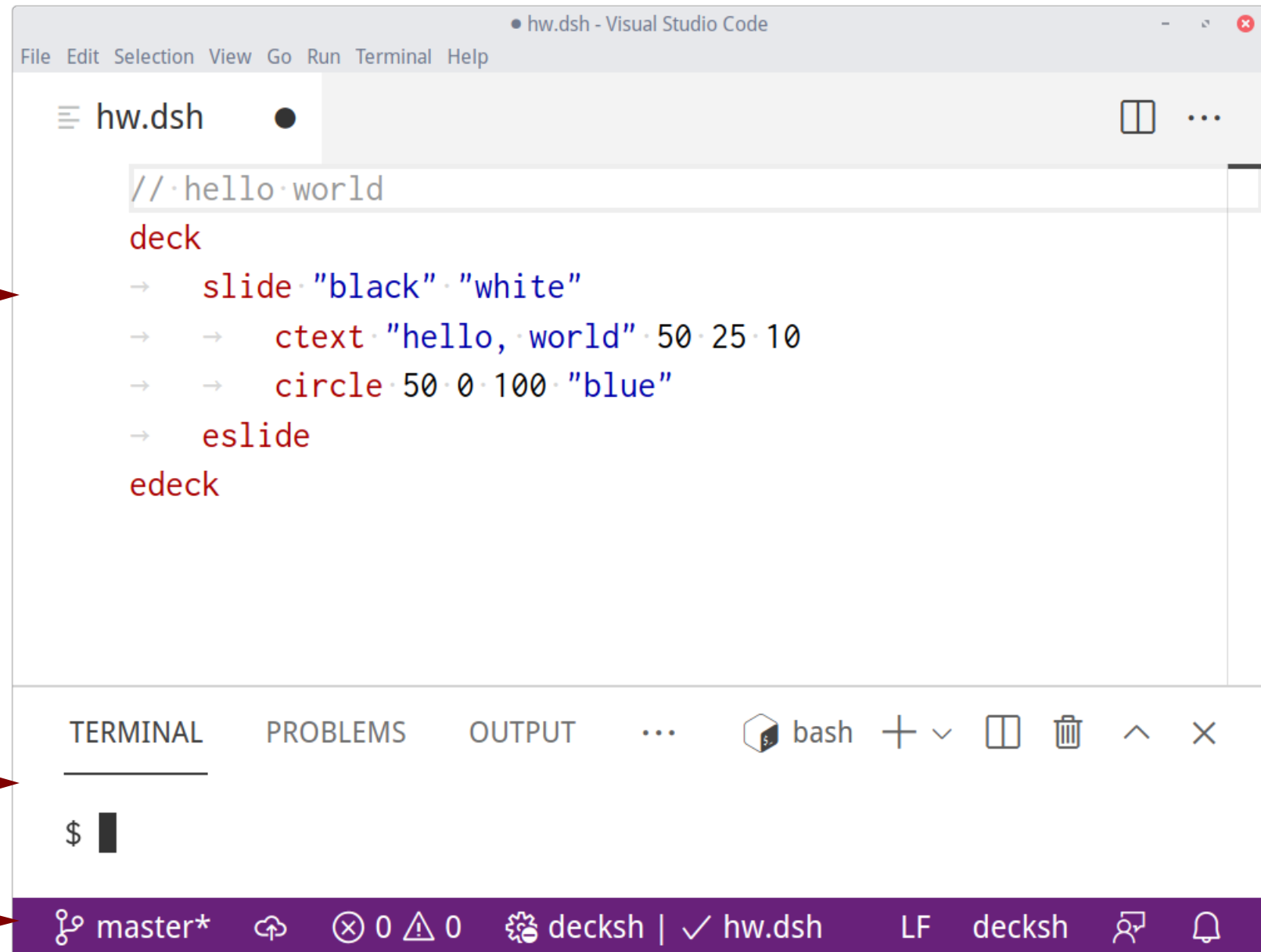
*terminal*

# VSCode: Editor for Mac, Windows, and Linux

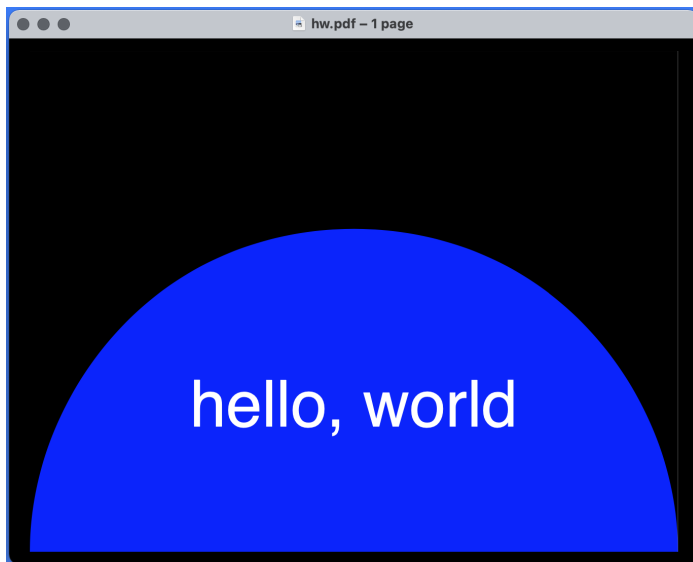
*decksh code with syntax highlighting*

*Integrated terminal*

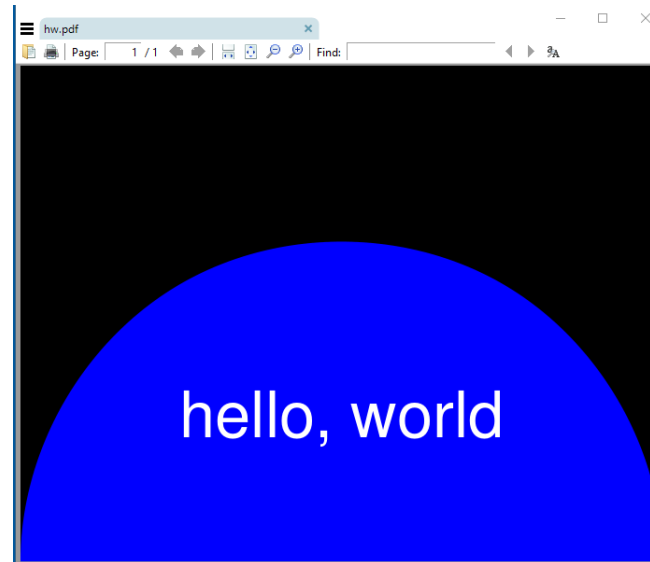
*Status showing decksh mode*



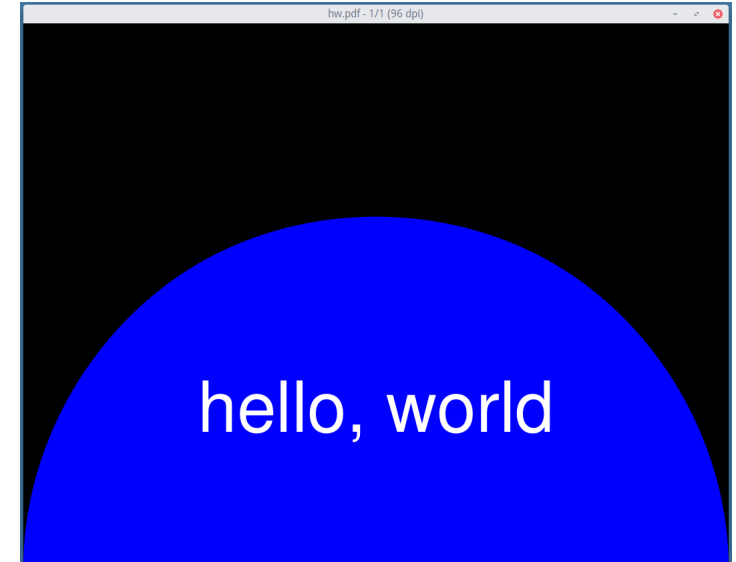
# PDF Readers



Mac: Preview



Windows: Sumatra PDF

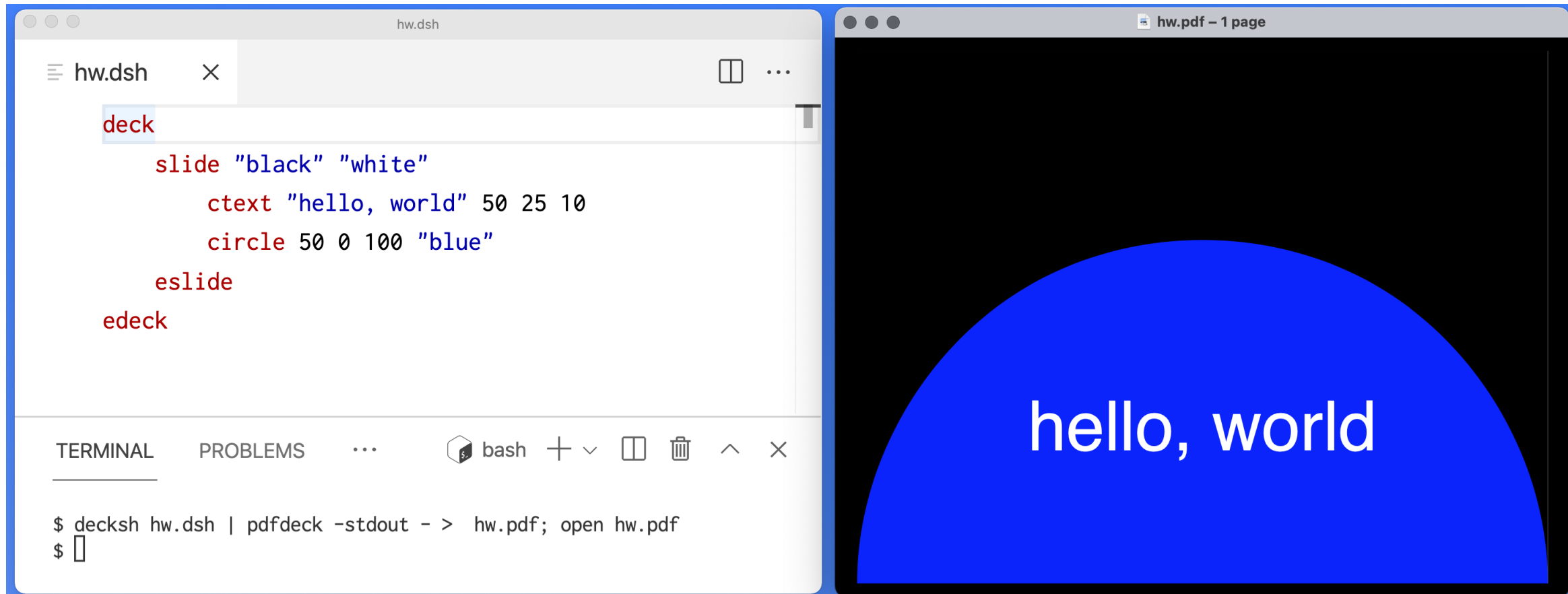


Linux: mupdf

# Mac OS

*editor: VSCode*

*viewer: Preview*

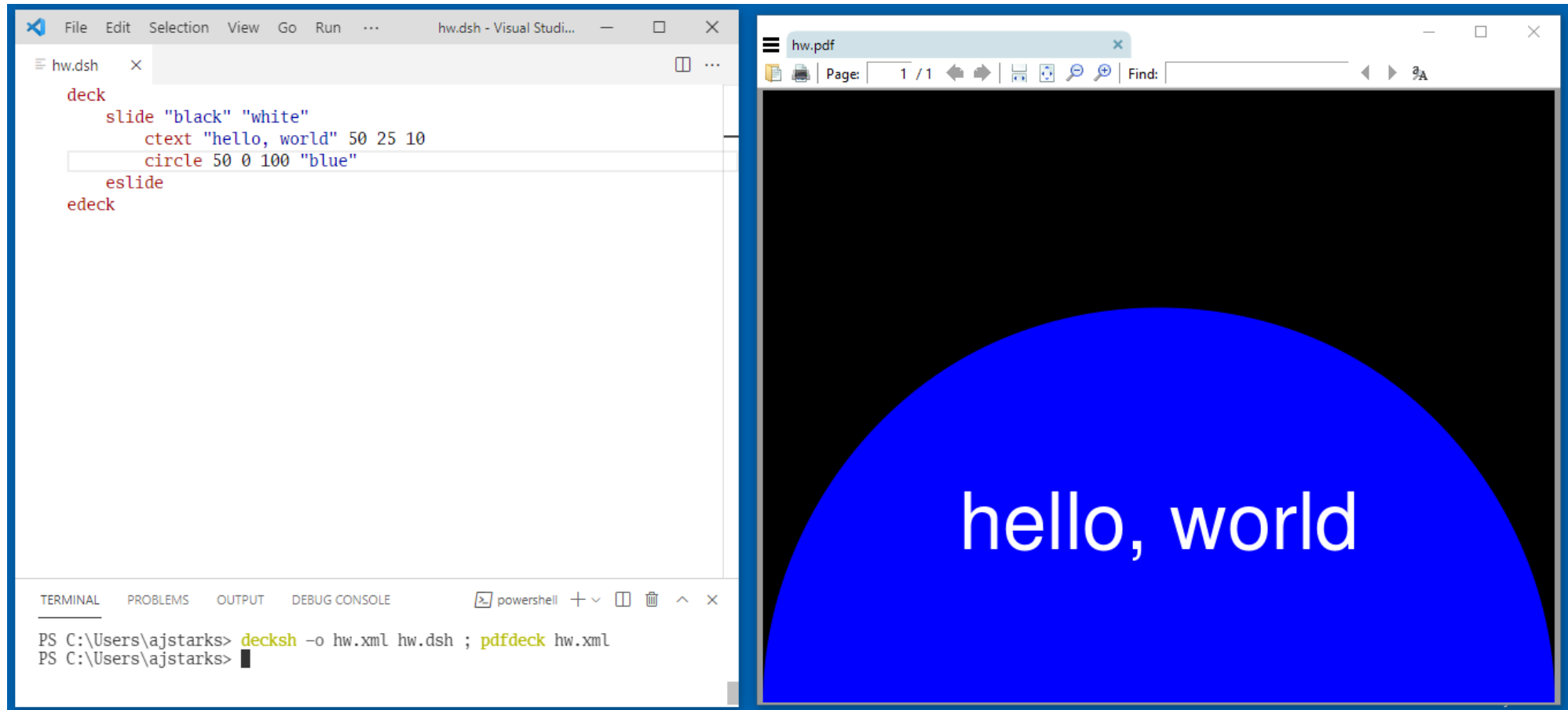


*terminal: VSCode*

# Windows

*editor: VSCode*

*viewer: Sumatra PDF*



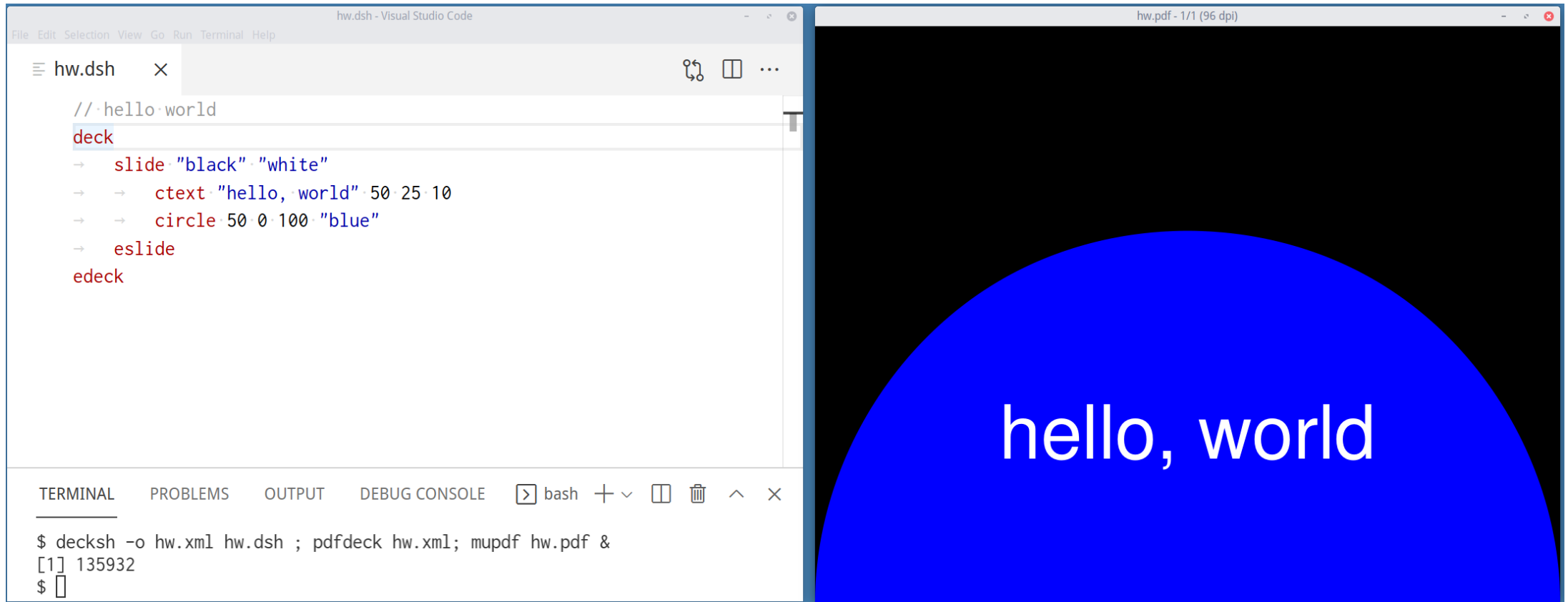
*terminal: VSCode*



# Linux

*editor: VSCode*

*viewer: mupdf*



*terminal: VSCode*

# Render

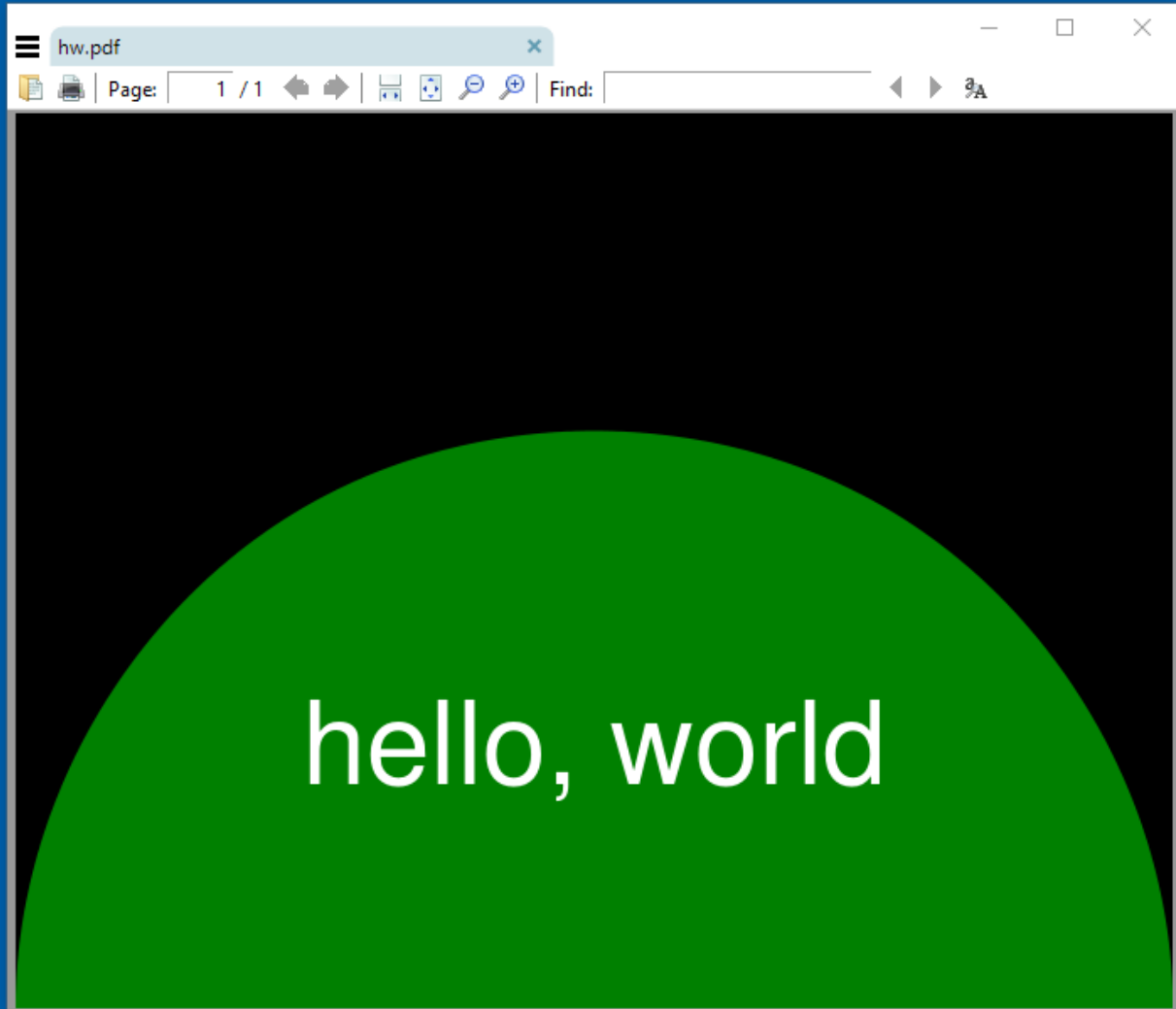


# Update

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

TERMINAL   PROBLEMS   OUTPUT   DEBUG CONSOLE   powershell

```
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

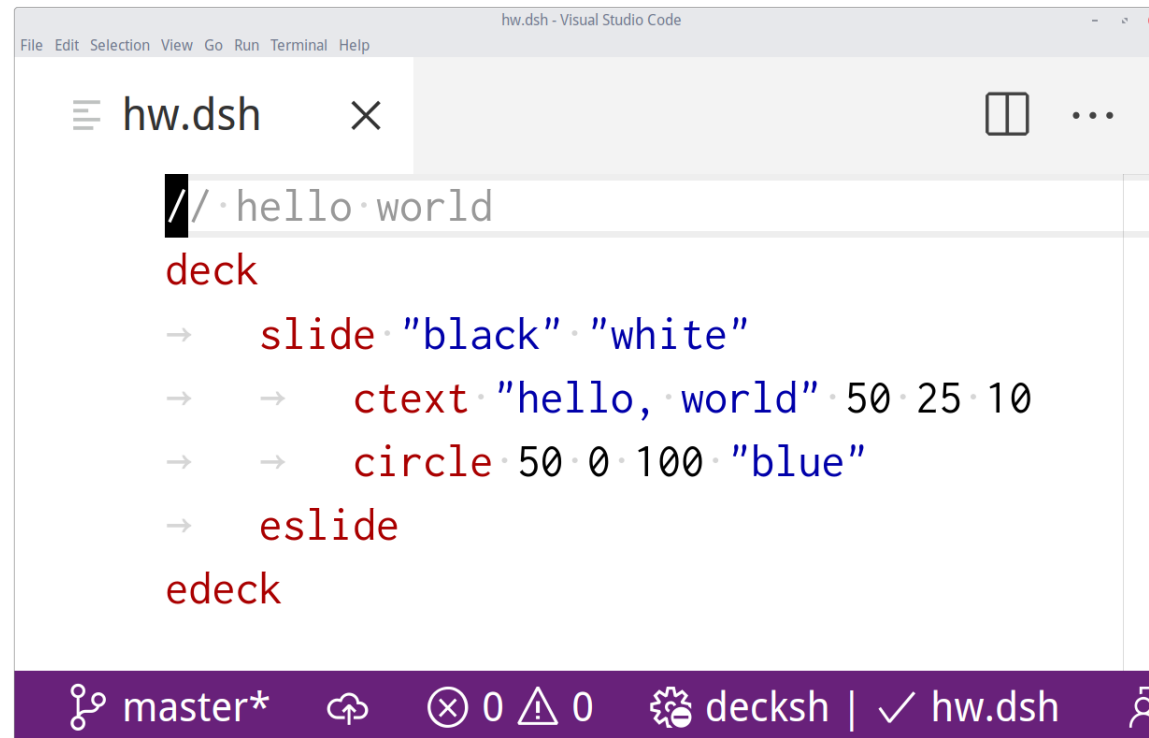
*copy this to your settings*

```
"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



# 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



The screenshot shows a vim editor window with a title bar that reads "ajstarks@slab:~/gocode/decksh/doc — vim code/hw.dsh". The editor contains a script for a presentation slide. The script starts with a red prompt character followed by the text "hello world". It then enters a red "deck" block, which contains three lines of indented text: "slide" with arguments "black" and "white", "ctext" with arguments "hello, world", 50, 25, and 10, and "circle" with arguments 50, 0, 100, and "blue". This is followed by a red "eslide" command and a red "edek" command. The script ends with a tilde "~". At the bottom right of the editor, the text "1,1" and "All" are displayed.

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

1,1 All
```

# The command line

# decksh command usage

decksh	<i>read from stdin, write to stdout</i>
decksh in.dsh	<i>read from file, write to stdout</i>
decksh -o out.xml	<i>read from stdin, write to file</i>
decksh -o out.xml in.dsh	<i>read from file, write to file</i>

decksh example.dsh | pdfdeck ...



# pdfdeck [options] inputfile

<i>Option</i>	<i>Default</i>	<i>Description</i>
-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	false	Draw a percent 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*