

# Haskell: Notes

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# Variables and functions

## Variables

- variables are useful

```
a = 3.141592
a^3
```

- code is more readable and modifiable

## Haskell source files

- file extension is `.hs`
- to load a file in GHCi type `:l`, to reload type `:r`

## Comments

- comments are done like this

```
x = 5      -- a comment
```

- block comments work like this

```
x = 5
{-
    multi-line comment
-}
y = {- inline comment -} 12
```

## Variables in imperative languages

- in Haskell, variables can only be declared once and they are immutable

## Functions