pandoc-minted

A pandoc filter to render LATEX code blocks using minted

Usage

```
pandoc [OPTIONS] --filter pandoc-minted [FILES]
```

Source

As usual, declare a module Main...

```
module Main where
```

... and import some useful definitions:

• intercalate from Data.List.

```
import Data.List (intercalate)
```

• getArgs from System. Environment,

```
import System.Environment (getArgs)
```

• topDown from Text.Pandoc.Generic,

• and everything from Text.Pandoc.JSON.

```
import Text.Pandoc.JSON
```

The Minted Data Type

Define a data type *Minted* to more expressively handle inline code and code blocks.

Define a Show instance for Minted, in order to generate LATEX code.

The main Function

Run minted as a JSON filter.

```
main :: IO ()
main = toJSONFilter . go =<< getArgs
where
   go :: [String] → (Pandoc → Pandoc)
   go ["latex"] = minted
   go _ = id</pre>
```

The minted Filter

```
\begin{tabular}{lll} minted :: Pandoc & \rightarrow Pandoc \\ minted = topDown (concatMap mintinline) & \\ topDown (concatMap mintedBlock) \\ \end{tabular}
```

Handle Inline Code

Transform Code into a \mintinline call, otherwise return a given Inline.

```
mintinline :: Inline → [Inline]
mintinline (Code attr contents) =
   let
        latex = show $ MintedInline (unpackCode attr "text") contents
   in
        [ RawInline (Format "latex") latex ]
mintinline x = [x]
```

Handle Code Blocks

Transform a CodeBlock into a minted environment, otherwise return a given Block.

```
mintedBlock :: Block → [Block]
mintedBlock (CodeBlock attr contents) =
    let
        latex = show $ MintedBlock (unpackCode attr "text") contents
    in
        [ RawBlock (Format "latex") latex ]
mintedBlock x = [x]
```

Helper Functions

Given a triplet of Attributes (identifier, language(s), and key/value pairs) and a default language, return a pair of minted attributes and language.

Given a list of key/value pairs, return a string suitable for minted options.

```
unpackAttrs :: [(String, String)] \rightarrow String
unpackAttrs kvs = intercalate ", " [k ++ "=" ++ v | (k, v) \leftarrow kvs]
```