## 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, and import some useful definitions, intercalate from Data.List, topDown from Text.Pandoc.Generic, and everything from Text.Pandoc.JSON.

#### module Main where

## The Minted Data Type

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

# data Minted

```
= MintInline (String, String) String
| MintedBlock (String, String) String
```

Define a Show instance for Minted in order to generate  $\LaTeX$  code.

```
instance Show Minted where
```

### The main Function

Run minted as a JSON filter.

### Handle Inline Code

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

```
mintinline :: Inline → [Inline]
mintinline (Code attr contents) =
   let
     latex = MintInline (unpackCode attr "text") contents
   in
     [ RawInline (Format "latex") (show 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 = MintedBlock (unpackCode attr "text") contents
   in
        [ RawBlock (Format "latex") (show latex) ]
mintedBlock x = [x]
```

### **Helper Functions**

Given a triplet of *Attr*ibutes (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]
```