

U66RFDZ8F : Thanks for the help
 U4872964V : it's interesting that "change" is the event for file inputs, not "input"
 U4872964V : but it sort of makes sense
 U66RFDZ8F : But still inconsistent
 U4872964V : well, change is emitted from the other field also, when they lose focus for instance, so maybe not so inconsistent
 U66RFDZ8F : But technically, the file input received some input right?
 U4872964V : yes, it sure did
 U4872964V : but the file input doesn't have the usual kind of value attribute that the others have
 U4872964V : it contains the file name, but generally you are after the file contents as well
 U66RFDZ8F : That makes sense also
 U31FGNWCT : Hello everyone! I'm trying to make an infix function like this:``
 import Html exposing (text)

```
(--&gt;) : Float -&gt; Float -&gt; String
(--&gt;) num1 num2 =
  toString num2 - num1
  |&gt; (++) "+"
```

```
main =
  text &lt;| 2.0 --&gt; 5.0
  ...
```

But I'm gettin' this:
 ...

Detected errors in 1 module.

-- SYNTAX PROBLEM -----

I need whitespace, but got stuck on what looks like a new declaration. You are either missing some stuff in the declaration above or just need to add some spaces here:

```
5| (--&gt;) num1 num2 =
  ^
```

I am looking for one of the following things:

```
  whitespace
  ...
```

What's wrong with it?

U3SJEDR96 : ``-`` is probably reserved as starting a comment
 U4872964V : yes, - starts a comment
 U3SJEDR96 : (also you need braces around `num2 - num1` but that's a different matter)
 U31FGNWCT : Ah. As always you're right. Thank you!
 U31FGNWCT : Yeah. I removed braces right before posting it here, because I was trying to figure it out. Thanks!
 U31FGNWCT : Probably, reserved-word-cases deserve their own general compiler message, though
 U66RFDZ8F : Do you mind wrapping the self invoking function in parentheses? I missed the ending `()` which confused me for a while.
 I'm referring to the `globalReader` assignment

U31FGNWCT : Because it neither misses anything nor needs a whitespace before
 U4872964V : well, it actually starts a comment there
 U3SJEDR96 : I'm not sure if I agree. The error you get is pretty bad, but ``-`` starts a comment everywhere except within a string-literal. Since you can put comments anywhere and they're basically considered whitespace... I don't know if that's really worth the effort
 U4872964V : especially since you normally shouldn't define infix operators
 U31FGNWCT : Hm. Indeed it should start a comment. In which case it's syntax highlighter problem
 U3SJEDR96 : Oh, right. Good point. I can't actually edit that ellie anymore, though, that's from a month or 2 ago, but I'll keep it in mind next time I link it, thanks!

U31FGNWCT : It's awesome, why shouldn't I? In scala it's considered to be a good practice.

U4872964V : in some cases they are great, but normally you'd just make a function. operators have a global namespace (bug in Elm?) and they are not self-explanatory the way function names are

U4872964V : also, there is the issue with precedence

U4872964V : and elm-format does not know how to handle them

U31FGNWCT : Do you mean <<https://github.com/elm-lang/core/issues/638>> ?

U4872964V : yes, things like that. Elm is dropping more and more operators (! and =>). It makes sense to keep the traditional mathematical operators though

U31FGNWCT : That's sad. Thank you for the information!

U66RFDZ8F : Sad? No

U66RFDZ8F : Actually very good

U66RFDZ8F : It's easier to understand what's going on

U66RFDZ8F : Giving that searching for infixes on Google is damn hard

U66RFDZ8F : Fancy search solves that but still...

U4872964V : People have different preferences here, but Elm (Evan) is quite opinionated :slightly_smiling_face:

U66RFDZ8F : And not in a bad way I feel

U31FGNWCT : BDFL, as they say in python community

U4872964V : But feel free to use them in your code though, just beware of the drawbacks.

U31FGNWCT : I understand. If there is a risk of deprecation, I don't think It's a good idea to use them in a production codebase, in my case at least.

U4872964V : well, upgrading them will be automatic in most cases though

U4872964V : just one more thing to do when moving to the next version

U31FGNWCT : never did an automatic upgrade, but sounds frightening from js perspective

U4872964V : indeed, but from an Elm perspective it's not :slightly_smiling_face:

U31FGNWCT : I guess as always it's a delight in elm

U31FGNWCT : yeah

U31FGNWCT : Thank you!

U31FGNWCT : Have a nice day.

U68471J6P : Is it possible to have inline custom types in record definitions or do i have to define the custom type before using it in the record?

U3SJEDR96 : you mean in a type alias that describes a record? You need to define the type before you can use it in an alias :slightly_smiling_face:

U68471J6P : That's what I thought :+1:

U3SJEDR96 : an alias is nothing more than "I have this shape and I want to refer to it by a shorter name". In the case of records, you also get a free constructor function for that shape.

U68471J6P : Thank you for the help :slightly_smiling_face:

U30J8RTKJ : Hi, I have some nested data structure. I'm traversing this structure and I'm building view. My question is how to add unique id to each created html element?

U153UK3FA : <@U30J8RTKJ> what would you be you using the unique id for?

U30J8RTKJ : <@U153UK3FA> styling

U4872964V : so how would you know what id to style?

U30J8RTKJ : well, it looks like this approach doesn't make sense in elm ..., i have to think this through ...

U4872964V : what do you actually want to do?

U30J8RTKJ : I've just realized that when I've asked question

U30J8RTKJ : I have some nested json which describes board game, in the view function I'm traversing this structure, I have just relized that I have to convert this json to some record and just modify this record to update the view

U30J8RTKJ : and I have to use this record in the view function

U4872964V : yes

U494Y62N7 : what is the difference between `number` and `int` and how can i cast one to the other?

U494Y62N7 : and is there anywhere in documentation that has this listed?

U4872964V : `number` is a pseudo-type which could be both `Int` and `Float`

U4872964V : you can't have an actual value of type `number` you can only have `Int` or `Float`

U3SJEDR96 : except a literal number (`1 : number`)

U494Y62N7 : yes

U494Y62N7 : that's what's happening to me

U494Y62N7 : i have defaults that i create

U494Y62N7 : and the compiler thinks they're numbers instead of ints

U3SJEDR96 : You generally want to use `Int` rather than `number`, if you're dealing with integers

U3SJEDR96 : and `Float` when dealing floats

U4872964V : <@U494Y62N7> add a type signature

U3SJEDR96 : Can you show the code and the error?
 U494Y62N7 : sure
 U4872964V : Oh, `Cmd Int`
 U3SJEDR96 : Okay, so that's actually a completely different error - you can't just "make" a `Cmd` like that
 U494Y62N7 : ah
 U494Y62N7 : any hints on how i should go about making the command?
 U494Y62N7 : i see this `!` operator everywhere, i just don't know how to properly use it
 U3SJEDR96 : most likely, you actually don't want to do that - rather, you want to take the logic that is executed in response to that command, and execute `_` that logic
 U4872964V : you don't need a Cmd, just call the function to generate the colors directly in your ``init``
 U4872964V : or, if it's a random generator, put that Cmd there
 U494Y62N7 : ok
 U1NME8MS8 : Hi!
 U1NME8MS8 : How would you store colors in a library? `rgb(1, 2, 3)` or triples/quadruples etc.?
 U4872964V : there is a ``Color`` type in Elm if that is sufficient
 U4872964V : but if there weren't I'd probably make a triple/quadruple or a corresponding single constructor union type
 U4872964V : or a record
 U3SJEDR96 : It depends on what you need them for and what you plan to do with them, really
 U1NME8MS8 : <@U3SJEDR96> personally I think the usecase would be css or SVG
 U3SJEDR96 : There are quite a few libraries that deal with that already, though.
 <<http://package.elm-lang.org/packages/elm-lang/core/5.1.1/Color>> in core,
 <<http://package.elm-lang.org/packages/eskimoblood/elm-color-extra/5.0.0/Color-Convert>> for blending, transforming, converting, manipulating, <<http://package.elm-lang.org/packages/mdgriffith/elm-color-mixing/latest>> for mixing and whatnot, ...
 U67HJ10TX : Hi, i'm tinkering with Elm and I wrote this simple opinion poll, just wondering if the "if..else..." in the Update function is idiomatic Elm``
 module Main exposing (..)

```
import Html exposing (Html, div, fieldset, input, label, text)
import Html.Attributes exposing (name, style, type_)
import Html.Events exposing (onClick)
```

-- MODEL

```
type alias Model =
  { question : String
  , choiceOne : Int
  , choiceTwo : Int
  }
```

```
type Party
  = Jubilee
  | NASA
  | Wareva
```

```
type Msg
  = NoOp
  | Vote Party
```

```
initModel : Model
initModel =
  { question = ""
  , choiceOne = 0
  , choiceTwo = 0
  }
```

-- UPDATE

```
update : Msg -> Model -> Model
update msg model =
  case msg of
    NoOp ->
      model

    Vote party ->
      let
        partyName =
          toString party
      in
        if partyName == "Jubilee" then
          { model | choiceOne = model.choiceOne + 1 }
        else if partyName == "NASA" then
          { model | choiceTwo = model.choiceTwo + 1 }
        else
          model
```

-- VIEW

```
view : Model -> Html Msg
view model =
  div []
  [ fieldset []
    [ radio "Jubilee" (Vote Jubilee)
    , radio "NASA" (Vote NASA)
    , radio "Wareva!!" (Vote Wareva)
    ]
  ]
```

```
radio : String -> msg -> Html msg
radio value msg =
  label
    [ style [ ( "padding", "20px" ) ] ]
    [ input [ type_ "radio", name "font-size", onClick msg ] []
    , text value
    ]
```

```
main =
  Html.beginnerProgram { model = initModel, view = view, update = update }
...
```

U1NME8MS8 : <@U3SJEDR96> I try to provide a package which integrates the colorbrewer colors

U153UK3FA : <@U67HJ10TX> you should use a `case..of` block for that

U1NME8MS8 : <@U3SJEDR96> I went with examples like ``set23 : List (Int, Int, Int)set23 = [(102, 194, 165), (252, 141, 98), (141, 160, 203)]`` now

U4872964V : <@U67HJ10TX> `if then else` or `case` are both fine here.

U4872964V : oh i missed that part, how about just `case` matching on the actual `Party` type?

U4872964V : that's the idiomatic Elm in this case, for sure

U663M2MB7 : Is there a way to make elm-format not ruining my comments? It treats every comment as standard ones from the elm architecture. I want my comments to sit on top of the functions I write, not with two new lines in between them.

U153UK3FA : <@U663M2MB7> the philosophy to elm-format is that elm-format formats your code how it wants and you get used to reading code formatted as elm-format formats it.

U663M2MB7 : I get that, but having comments three lines above the actual function? Surely I cannot be the only one who feels that is pretty awkward?