```
TIIDUL
  |> hash_input
  > pick_color
end
def pick_color(image) do
 %Identicon.Image{hex: [r, g, b | _tail]} = image
 [r, g, b]
end
def hash_input(input) do
  hex = :crypto.hash(:md5, input)
  |> :binary.bin_to_list
 %Identicon.Image{hex: hex}
```

defstruct hex: nil

defstruct hex: nil, color: nil

```
> hash_input
  > pick_color
end
def pick_color(image) do
 %Identicon.Image{hex: [r, g, b | _tail]} = image
end
def hash_input(input) do
  hex = :crypto.hash(:md5, input)
  |> :binary.bin_to_list
 %Identicon.Image{hex: hex}
end
```

```
> nash input
   > pick_color
 end
 def pick_color(image) do
   %Identicon.Image{hex: [r, g, b | _tail]} = image
   %Identicon.Image{image | color: {r, g, b}}
 end
 def hash_input(input) do
   hex = :crypto.hash(:md5, input)
   > :binary.bin_to_list
   %Identicon.Image{hex: hex}
 end
000
```

```
)> Identicon.main("asdf")
ticon.Image{color: {145, 46, 200},
[145, 46, 200, 3, 178, 206, 73, 228, 165, 65, 6, 142
181, 112]}
```

ling 2 files (.ex)

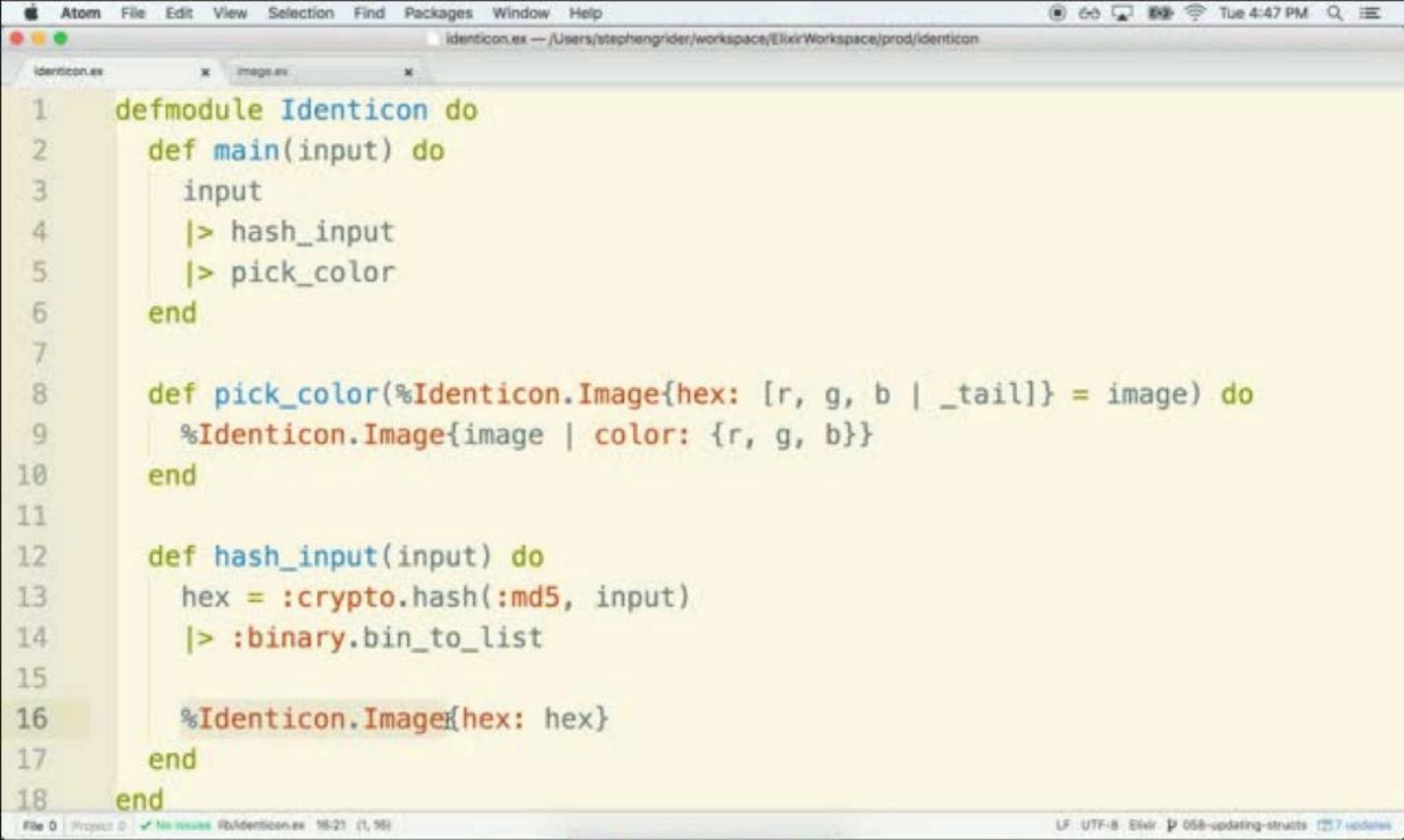
```
> hash_input
  > pick_color
end
def pick_color(image) do
 %Identicon.Image{hex: [r, g, b | _tail]} = image
 %Identicon.Image{image | color: {r, g, b}}
end
def hash_input(input) do
  hex = :crypto.hash(:md5, input)
  > :binary.bin_to_list
 %Identicon.Image{hex: hex}
end
```

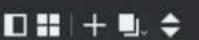
```
> hash_input
   > pick_color
 end
 def pick_color(%Identicon.Image{hex: [r, g, b | _tail]} = image) do
   %Identicon.Image{image | color: {r, g, b}}
 end
 def hash_input(input) do
   hex = :crypto.hash(:md5, input)
   > :binary.bin_to_list
   %Identicon.Image{hex: hex}
 end
end
```

```
)> Identicon.main("asdf")
ticon.Image{color: {145, 46, 200},
[145, 46, 200, 3, 178, 206, 73, 228, 165, 65, 6, 143
181, 112]}
)> recompile
ling 1 file (.ex)
)> Identicon.main("asdf")
ticon.Image{color: {145, 46, 200},
[145, 46, 200, 3, 178, 206, 73, 228, 165, 65, 6, 143
181, 112]}
```

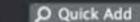
```
def pick_color(%Identicon.Image{hex: [r, g, b | _tail]} = image) do
 %Identicon.Image{image | color: {r, g, b}}
end
pick_color: function(image) {
  image.color = {
    r: image.hex[0],
    g: image.hex[1],
    b: image.hex[2]
  return image
```

```
end
 def pick_color(%Identicon.Image{hex: [r, g, b | _tail]} = image) do
   %Identicon.Image{image | color: {r, g, b}}
 end
 def hash_input(input) do
   hex = :crypto.hash(:md5, input)
   > :binary.bin_to_list
   %Identicon.Image{hex: hex}
 end
end
```













[14	5.	46,	20	0.
•	•	•		•

3, 178, 206,

73, 228, 165,

65, 6, 141,

73, 90, 181,

1 145	2 46	3 200	2 46	1 145
4 3	5 178	6 206	5 178	4 3
7 73	8 228	9 165	8 228	7 73
10 65	11 6	12 141	11 6	10 <sub>65</sub>
13 73	14 90	15 181	14 90	13 73

112]

```
identicontex — /osers/stephengilder/workspace/Enkil violkspace/prod/identicon
                  ×
def main(input) do
  > hash_input
  > pick_color
  > build_grid
def build_grid(image) do
def pick_color(%Identicon.Image{hex: [r, g, b | _tail]} = image) do
  %Identicon.Image{image | color: {r, g, b}}
def hash_input(input) do
  hex = :crypto.hash(:md5, input)
  In thinary him to lict
```

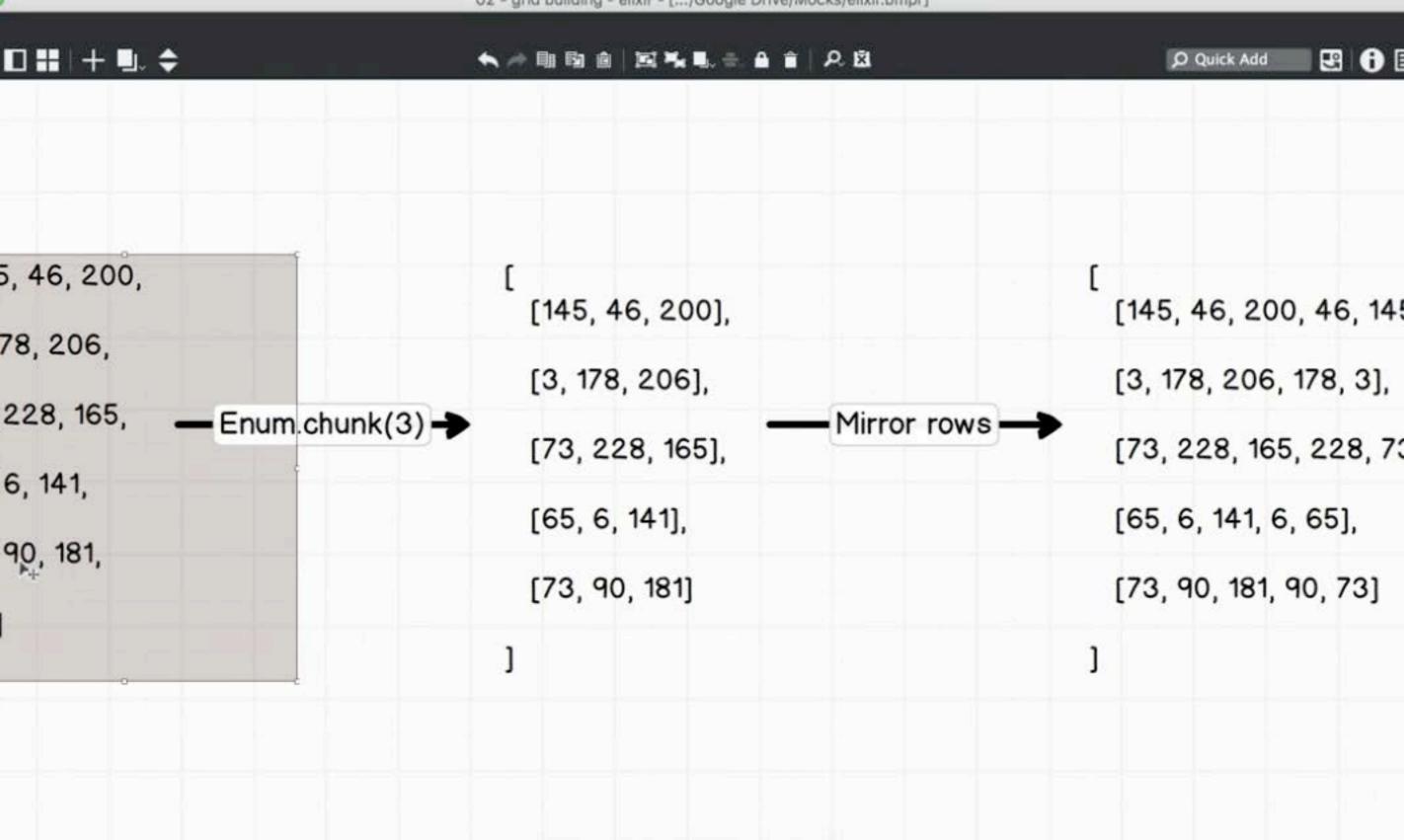
o image.ex

input

end

end

end



```
identicontex — /osers/stephenghaer/workspace/Entil Horkspace/phod/identicon
   x image.ex
                  ×
  > hash_input
  > pick_color
  > build_grid
end
def build_grid(%Identicon! Image{hex: hex} = image) do
  hex
  > Enum. chunk(3)
end
def pick_color(%Identicon.Image{hex: [r, g, b | _tail]} = image) do
  %Identicon.Image{image | color: {r, g, b}}
end
def hash_input(input) do
  hex = :crypto.hash(:md5, input)
  |> :binary.bin_to_list
```

```
x(9)> recompile
npiling 1 file (.ex)
rning: variable image is unused
lib/identicon.ex:9
x(10)> Identicon.main("asdf")
145,46,200],[3,178,206],[73,228,165],[65,6,141],
```

73, 90, 181]]

x(11) > 1

on.ex x image.ex x

```
def build_grid(%Identicon.Image{hex: hex} = image) do
  hex
  > Enum.chunk(3)
end
def mirror_row(row) do
 # [145, 46, 200]
  [first, second | _tail] = row
 # [145, 46, 200, 46, 145]
  row ++ [second, first]
end
def pick_color(%Identicon.Image{hex: [r, g, b | _tail]} = image) do
 %Identicon.Image{image | color: {r, g, b}}
end
```

```
def build_grid(%Identicon.Image{he}[[145, 46, 200], [3, 178, 200]
                                [73, 228, 165], [65, 6, 141]
                                [73, 90, 181]]
  |> Enum.chunk(3)
                              iex(12)> recompile
                              Compiling 1 file (.ex)
def mirror_row(row) do
                              warning: variable image is ur
 # [145, 46, 200]
                              ed
  [first, second | _tail] = row
                                 lib/identicon.ex:9
 # [145, 46, 200, 46, 145]
  row ++ [second, first]
                               :ok
                              iex(13)> Identicon.mirror_row
def pick_color(%Identicon.Image{he 145, 46, 200])
 %Identicon.Image{image | color:
                              [145, 46, 200, 46, 145]
```

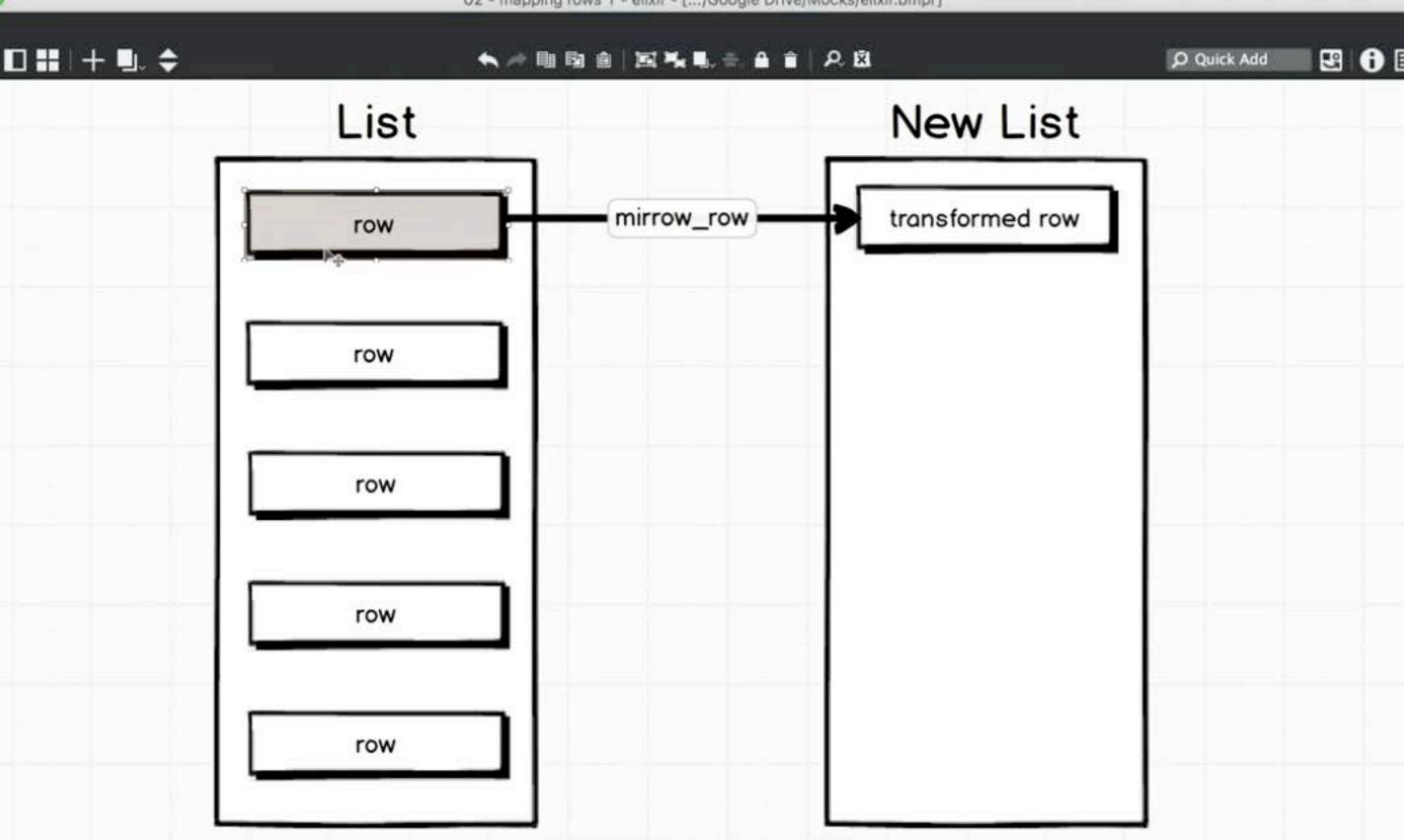
image.ex

hex

end

end

end



```
racinicon.ex — /oscis/stephengilaci/workspace/elixil violkspace/prod/lacinicon
      image.ex
  > build_grid
end
def build_grid(%Identicon.Image{hex: hex} = image) do
  hex
  > Enum. chunk(3)
  |> Enum.map(&mirror_row/1)
end
def mirror_row(row) do
  [first, second | _tail] = row
  row ++ [second, first]
end
def pick_color(%Identicon.Image{hex: [r, g, b | _tail]} = image) do
  %Identicon.Image{image | color: {r, g, b}}
```

```
(mix) lib/mix/task.ex:296: Mix.Task.run_task/3
(elixir) lib/enum.ex:1184: Enum."-map/2-lists/map/1-0-"/2
(elixir) lib/enum.ex:1184: Enum."-map/2-lists^map/1-0-"/2
npiling 1 file (.ex)
rning: variable image is unused
x(15)> Identicon.main("asdf")
145, 46, 200, 46, 145], [3, 178, 206, 178, 3],
73, 228, 165, 228, 73], [65, 16, 141, 6, 65],
73, 90, 181, 90, 73]]
```

.compile/5

x(14)> recompile

lib/identicon.ex:9

