

IEx Elixir's interactive shell

IEx allows you test code like evaluating expressions or testing functions from on of your programs

to start iex open up your terminal and type in **iex**

```
[davidsnoble@MacBook-Pro ~ % iex
Erlang/OTP 23 [erts-11.0.2] [source] [64-bit] [smp:8:8] [ds:8:8:10] [async-threa
ds:1] [hipe] [dtrace]

Interactive Elixir (1.10.3) - press Ctrl+C to exit (type h() ENTER for help)
iex(1)> █
```

In IEx we can type expressions like

133 - 33

"Hello" <> " World!"

```
[iex(1)> 133-33  
100  
[iex(2)> "Hello" <> " World!"  
"Hello World!"  
iex(3)> █
```

IEx also allows us to do things such as

```
[iex(1)> a = [1, 2, 3]
[1, 2, 3]
[iex(2)> Enum.reduce(a, 0, fn x, acc -> x + acc end)
6
```

What this code does is assigns a list to `a` and we use the **Enum.reduce/3** function to enumerate through the items in our list