Presenting TryAPL v3

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TryAPL: New in Version 3

- Open source: github.com/dyalog/tryapl
- Open API
- Off-the-shelf technologies
- APL-style "session"
- Multi-line functions
- Download and upload "workspaces"
- Share without interference
- Touch-screen friendly
- Dark mode

History

Dyalog '12 (Elsinore), *The Story of TryAPL*:

dyalog.tv/Dyalog12/?v=9AMj77tuDAg

Try APL

APL Keyboard

Hi! | Learn | Primer | Links | About

Welcome to TryAPL!

This site is to help you learn about **APL** by using it. Type APL expressions in the input field on the right and hit enter to see the results. Here are a few examples (which you can click on) to get you started:

```
2+2 No points for guessing the answer to this
4 2 3 + 8 5 7 Functions apply to arrays
⍳10 Generate some integers
+/⍳100000 Sum the first 100,000 integers
×/⍳10 A long, slow way to write !10
avg←{(+/⍵)÷≢⍵} Average is sum divided by count
avg 1 6 3 4 ... and apply it
throws←?10000⍴6 Store 10,000 dice throws
+/1=throws Of 10,000 throws, how many 1's?
+/(⍳6)∘.=throws Frequency of all 6 possibilities
'Hello World!' APL is not just about maths!
{⍺,≢⍵} ⌸ 'Mississippi' See?
```

Use the **pop-up APL keyboard** to enter APL symbols (the **Primer** tab contains a "Cheat Sheet"). To install an APL keyboard (or an entire APL system), and find other resources, see **Links**.

For an introduction to APL and more inspiration for expressions to try out, see the **APL** tab and download the tutorial Mastering Dyalog APL

Note: You must enable cookies in order for any named objects that you define to be available for later use.

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under

using

FILE INTRO LEARN PRIMER LINKS HELP

Got a minute? — Try APL!

APL is an array-oriented programming language that will change the way you think about problems and data. With a powerful, concise syntax, it lets you develop shorter programs that enable you to think more about the problem you're trying to solve than how to express it to a computer.

TryAPL runs on Dyalog, which you can download for free, or try it now by entering an expression (use the language bar above to type the special APL symbols), or clicking one of these expressions, followed by Enter, to see it in action:

`2 + 2`	No points for guessing this
`4 2 3 + 8 5 7`	Functions apply to arrays
`⍳10`	Generate the first ten integers
`+/⍳100000`	Sum the first 100 000 integers
`×/⍳10`	A long, slow way to write `!10`
`Avg←{(+⌿⍵)÷≢⍵}`	Average is the sum divided by the count
`Avg 1 6 3 4`	... and apply it
`throws←?10000⍴6`	Store 10 000 dice throws
`+/1=throws`	Of 10 000 throws, how many 1s?
`+/(⍳6)∘.=throws`	Frequency of all 6 possibilities
`'Hello, World!'`	Not just about maths!
`{⍺,≢⍵}⌸'Mississippi'`	See?

What can APL do for you?

```
TryAPL Version 3.5.0 (enter ]State for details)
Wed Sep 01 2021 05:38:12
Copyright (c) Dyalog Limited 1982-2021
```

Now Open Source

github.com/dyalog/tryapl

Backend

github.com/dyalog/Jarvis

github.com/abrudz/dyalog-safe-exec

Linux and macOS:

```
$ dyalog LOAD=/path/to/TAE.apln
```

Microsoft Windows Powershell

```
PS $Env:LOAD="TAE.apln"
PS &dyalog
```

Info

apl.wiki/TryAPL

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New features in version 4

You tell us!

tryapl@dyalog.com

github.com/dyalog/tryapl

Coming Up: September

britishaplassociation.org/webinar-schedule-2021

9th

23rd

apl.wiki/campfire

26th

Next Webinar: 30th September

Error Handling - Part 5

with Adám Brudzewsky

dyalog.tv