On-Line Programming Development Environments

At times it may not be possible to program on a local machine, e.g.:

      "Locked-down" machines, e.g. POS (Point of Sale) systems or monitoring/guard system

      iOS devices

      Public systems, e.g. in the "business center" within a hotel

      macOS

      Some versions of Windows

In these cases, use of on-line programming environments can be useful…

      One such tool is repl.it; URL: https://repl.it

The following is a list of available languages.

languages

Clojure	JavaScript	Enzyme	Python (with Turtle)	React Typescript	Erlang	PHP CLI
Haskell	CoffeeScript	Go	Jest	React Reason	TypeScript	Pyxel
Kotlin (beta)	Scheme	C++	Django	bash	Pygame	
QBasic	APL	C++11	Express	Quil	Love2D	
Forth	Lua	C	Sinatra	Crystal	Tkinter	
LOLCODE	Python 2.7	C#	Ruby on Rails	Julia	Java Swing	
BrainF	Ruby	F#	R	Elixir	Emacs Lisp (Elisp)	
Emoticon	Roy	HTML, CSS, JS	Next.js	Nim	PHP Web Server	
Bloop	Python	Rust	GatsbyJS	Dart	SQLite	
Unlambda	Nodejs	Swift	React	Reason NodeJs	Java	

Please note that this is not a paid endorsement of repl; there are several alternatives. However, for this class a very portable version of Python, version 2.7.x with Turtle graphics is provided, which differentiates repl from many of the free/highly-portable tools.

One other note: "Locked Down" environments should stay locked down — as use of tools can invite/permit viruses and other malware that can compromise systems