

LISP - CONSTANTS

In LISP, constants are variables that never change their values during program execution. Constants are declared using the **defconstant** construct.

Example

The following example shows declaring a global constant PI and later using this value inside a function named *area-circle* that calculates the area of a circle.

The **defun** construct is used for defining a function, we will look into it in the **Functions** chapter.

Create a new source code file named main.lisp and type the following code in it.

```
(defconstant PI 3.141592)
(defun area-circle(rad)
  (terpri)
  (format t "Radius: ~5f" rad)
  (format t "~%Area: ~10f" (* PI rad rad)))
(area-circle 10)
```

When you click the Execute button, or type Ctrl+E, LISP executes it immediately and the result returned is.

```
Radius: 10.0
Area: 314.1592
```