

add(1)

add(1)

## NAME

add – Total all of the numbers on multiple input lines.

## SYNOPSIS

**pipeline | \${HOME}/bin/exe/add**

## DESCRIPTION

The program invokes FRDR8V repeatedly to read vectors of numbers from standard-in, accumulating their sum. On EOF it writes the sum on standard-out, as an integer if it has no fractional part or with a decimal point and fraction digits if it has a fractional part.

## UNITS

5	standard-in
6	standard-out

## SEE ALSO

/usr/bin/sum, which counts the blocks in a file and is NOT this program

## DIAGNOSTICS

If FRDR8V reports an input error, this routine stops with \$?=1; otherwise it stops with \$?=0.

## AUTHOR

Michael Kupferschmid

## EXAMPLE

```
unix[1] echo "1 2 3 4 5 ^M 6 7 8 9 10" | add
55
```

Here ^M represents control-M so there are actually two rows of input; the program adds all of the integers and writes their integer sum.

```
unix[2] echo "1.1 -2 3.3 -4 5.5 -6 7.5 -8 9.5 -10" | add
-3.0999999999999996
```

Here the program reads one row of numbers, some of which have fractional parts, and reports the REAL\*8 approximation of -3.1, which is their sum.