```julia
using BenchmarkTools

@benchmark sum(rand(1000))
```

```
BenchmarkTools.Trial: 10000 samples with 10 evaluations.
 Range (min … max):  1.182 μs … 145.397 μs  ┊ GC (min … max): 0.00% … 96.62%
 Time  (median):     1.277 μs               ┊ GC (median):    0.00%
 Time  (mean ± σ):   1.789 μs ±   4.410 μs  ┊ GC (mean ± σ):  9.23% ±  3.75%
```

```
  1.18 μs       Histogram: log(frequency) by time      3.51 μs <

 Memory estimate: 7.94 KiB, allocs estimate: 1.
```

```julia
function printbitsf64(x::Float64)
    s = bitstring(x)
    printstyled(s[1], color = :blue, reverse=true)
    printstyled(s[2:12], color = :green, reverse=true)
    printstyled(s[13:end], color=:red, bold=true, reverse=true)
    print("\n")
end

printbitsf64(27.56640625)
```

```
0100000000111011100100010000000000000000000000000000000000000000
```

```julia
Eps=0.5
while 1 != 1 + Eps
    Eps/= 2
    printbitsf64(1+Eps)
end
```

```
0011111111110100000000000000000000000000000000000000000000000000
0011111111110010000000000000000000000000000000000000000000000000
0011111111110001000000000000000000000000000000000000000000000000
0011111111110000100000000000000000000000000000000000000000000000
0011111111110000010000000000000000000000000000000000000000000000
0011111111110000001000000000000000000000000000000000000000000000
0011111111110000000100000000000000000000000000000000000000000000
0011111111110000000010000000000000000000000000000000000000000000
0011111111110000000001000000000000000000000000000000000000000000
0011111111110000000000100000000000000000000000000000000000000000
0011111111110000000000010000000000000000000000000000000000000000
0011111111110000000000001000000000000000000000000000000000000000
0011111111110000000000000100000000000000000000000000000000000000
0011111111110000000000000010000000000000000000000000000000000000
0011111111110000000000000001000000000000000000000000000000000000
0011111111110000000000000000100000000000000000000000000000000000
0011111111110000000000000000010000000000000000000000000000000000
0011111111110000000000000000001000000000000000000000000000000000
```

```
0011111111110000000000000000010000000000000000000000000000000000000
0011111111110000000000000000010000000000000000000000000000000000000
0011111111110000000000000000010000000000000000000000000000000000000
```

```
end

printbits2f64(27.56640625)
```

```
0100000000111011100100010000000000000000000000000000000000000000
```