

File: **context-functions.ly**

LilyPond's 21 context functions:

```
ly:context-current-moment  
ly:context-def?  
ly:context-def-lookup  
ly:context-def-modify  
ly:context-event-source  
ly:context-events-below  
ly:context-find  
ly:context-grob-definition  
ly:context-id  
ly:context-matched-pop-property  
ly:context-mod?  
ly:context-mod-apply!  
ly:context-name  
ly:context-output-def  
ly:context-parent  
ly:context-property  
ly:context-property-where-defined  
ly:context-pushpop-property  
ly:context-schedule-moment  
ly:context-set-property!  
ly:context-unset-property
```

Function: **ly:context-current-moment**



Function: **ly:context-find**
 Function: **ly:context-parent**
 Function: **ly:context-property**

```
\new Score = "Score" {
  \new Staff = "Viola" {
    \new Voice = "Music" {
      \set tupletFullLength = ##t
      \context Voice \applyContext #(lambda (context)
        (ly:message "~s" (ly:context-property context 'autoBeaming))
        (ly:message "~s" (ly:context-property context 'barNumberFormatter))
        (ly:message "~s" (ly:context-property context 'tupletFullLength))
        (newline)
        (ly:message "~s" context)
        (ly:message "~s" (ly:context-parent context))
        (ly:message "~s" (ly:context-parent (ly:context-parent context))))
      (newline)
      (ly:message "~s" (ly:context-find context 'Voice))
      (ly:message "~s" (ly:context-find context 'Staff))
      (ly:message "~s" (ly:context-find context 'Score))
      (newline)
    )
    c'4
  }
}
```



```
#t
#<procedure robust-bar-number-function (barnum measure-pos alt-number context)>
#t

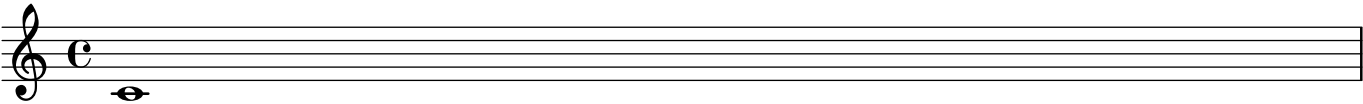
#<Context Voice=Music () >
#<Context Staff=Viola (#<Context Voice=Music () >) >
#<Context Score=Score (#<Context Staff=Viola (#<Context Voice=Music () >) >) >

#<Context Voice=Music () >
#<Context Staff=Viola (#<Context Voice=Music () >) >
#<Context Score=TheScore (#<Context Staff=Viola (#<Context Voice=Music () >) >) >
```

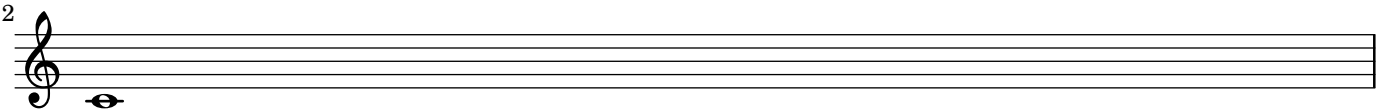
Function: **ly:context-set-property!**

```
incrementCurrentBarNumber = \context Score \applyContext #(lambda (context)
  (ly:context-set-property! context 'currentBarNumber
    (+ 10 (ly:context-property context 'currentBarNumber))
  )
)
{ c'1 \break c'1 \incrementCurrentBarNumber \break c'1 \break c'1 }
```

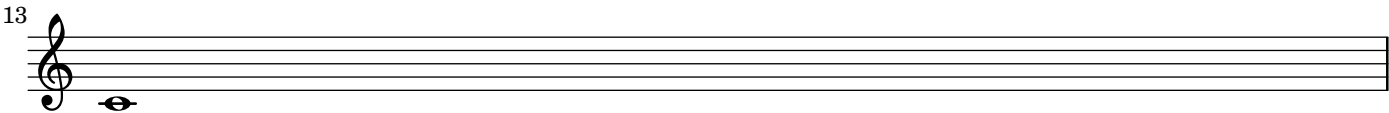
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13



14

