# procedure calls, in chronological order

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HW 18

Pd 10

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| **procedure** | **justification** | **result** |
| --- | --- | --- |
| (display "hw18") | use the (display) procedure when you want to see a value that Racket produces | hw 18 |
| (newline) | use a (newline) procedure to shift all following procedures to the next line down | a new line |
| (lambda…) | Lambda packages the instructions within it; unlike other functions, Racket does not first execute the innermost of these instructions. | the code becomes bind to lambda |
| (define double …) | when a symbol has not already been defined, it is assigned a new value in a newly reserved slot in the symbol table | the code binded to lambda becomes binded to double |
| (double 7) | order of operations; top to bottom, inner to outer, left to right | 7 becomes bound with double |
| (display “the parameter is “) | use the (display) procedure when you want to see a value that Racket produces | the parameter is |
| (display single) | use the (display) procedure when you want to see a value that Racket produces | 7 |
| (newline) | use a (newline) procedure to shift all following procedures to the next line down | a new line |
| (+ single single) | ????? | 7 is replaced into single |
| (define result 14) | when a symbol has not already been defined, it is assigned a new value in a newly reserved slot in the symbol table | result becomes bound to 14 |
| (display 14) | use the (display) procedure when you want to see a value that Racket produces | 14 |
| (newline) | use a (newline) procedure to shift all following procedures to the next line down | a new line |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

| term | code |
| --- | --- |
| argument | 7 |
| the call to double | (double 7) |
| parameters of the procedure | (single) |
| position by position | (lambda (7) …) |
| instructions in the procedure | (display “the parameter is “)  (display single)  (newline)  (+ single single) |
| copied values | (display 7)  (+ 7 7) |
| last value computed by the procedure | 14 |
| replace the call | (define result 14) |