

Expanded Precedence Table

- The precedence table is expanded to include the relational and logical operators:

Operators	Precedence
parentheses: ()	highest
power ^	
unary: negation (-) , not (~)	
multiplication, division *, / , \	
addition, subtraction +, -	
relational < , <= , > , >= , == , ~=	
and &&	
or	
assignment =	lowest

Solutions

1.

- real number in the range (0,1) `rand`
- real number in the range (0, 100) `rand*100`
- real number in the range (20, 35) `rand*(35-20)+20`
- integer in the inclusive range from 1 to 100 `randi(100)`
- integer in the inclusive range from 20 to 35
 `randi([20, 35])`

Solutions

3.

- `>> 2^16` `ans =` 65536
- `>> 2^15` `ans =` 32768
- `>> intmin('int16')` `ans = -32768`
- `>> intmax('int16')` `ans = 32767`
- `>> intmin('uint16')` `ans = 0`
- `>> intmax('uint16')` `ans = 65535`