总体上本次大作业要求各位实现Scheme语言计算部分，即实现racket计算器基本功能。

具体上，本次作业要求实现如下类：

boolean, number(rational, float, complex), char, string

以下为最终作业要求实现函数：

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| 相等判断 | equal?, string=?, string-ci=?, char=?, char-ci=? |
| 类型转换 | number->string, string->number, char->integer, integer->char |
| 数学运算 | 参见下表 |
| 字符串操作 | string?, make-string, string, string-length, string-ref, string<? string-ci<?, string<=? string-ci<=?, substring, string-append, string-copy |
| 字符操作 | char?, char<? char-ci<?, char<=? char-ci<=? char-alphabetic?, char-numeric?, char-whitespace?, char-upper-case?, char-lower-case?, char->integer, integer->char, char-upcase, char-downcase |

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| **功能** | **过程** |
| 基本算术运算 | +, -, \*, /, abs, quotient, remainder, modulo, gcd, lcm, expt, sqrt |
| 分数运算 | numerator, denominator |
| 近似值 | floor, ceiling, truncate, round |
| 精确性 | inexact->exact, exact->inexact, exact?, inexact? |
| 不等判断 | <, <=, >, >= |
| 其他判断 | zero?, negative?, positive? odd? even? |
| 最大与最小值 | max, min |
| 三角函数 | sin, cos, tan, asin, acos, atan |
| 幂与对数 | exp, log |
| 复数运算 | make-rectangular, make-polar, real-part, imag-part, magnitude, angle |
| 类型判断 | integer?, rational?, real?, complex?, number? |

作业共有四次测评，每次测评要求请参见各周测评要求。