Basic SML Data Types

int values: -1073741824 ... 1073741823
operations: +, -, ~, *, div, mod
comparisons: =, <> , <, <= , > , >=

bool values: false, true
operations: not, andalso, orelse

real values: floating point numbers, like Java double
operations: +, -, ~, *, /
comparisons: =, <> , <, <= , > , >=
conversions: trunc: real -> int
round: real -> int
real: int -> real

char values: letters, digits, and punctuation marks
comparisons: =, <> , <, <= , > , >= (ASCII ordering)
conversions: ord: char -> int
chr: int -> char

string values: character strings
operation: ^ (concatenation), size
comparisons: =, <> , <, <= , > , >= (lexicographic ordering)
conversions: explode: string -> char list
implode: char list -> string

list values: homogeneous lists
constructors: nil or [], ::
functions: length, @ (append), rev; ... and many others