BEGIN MAINPROGRAM()

board = [[1,2,3,4,5,6,7,8,] \* 8]

a = 1, b = 2, c = 3, d = 4, e = 5, f = 6, g = 7, h = 8

resetBoard()

END MAINPROGRAM()

BEGIN convertNotationToIndex(file)

conversion = {1 : “a”, 2 : “b”,

3 : “c”, 4 : “d”,

5 : “e”, 6 : “f”,

7 : “g”, 8 : “h”}

file = conversion(file)

return file

END convertNotationToIndex()

'''

A8 B8 C8 D8 E8 F8 G8 H8

A7 B7 C7 D7 E7 F7 G7 H7

A6 B6 C6 D6 E6 F6 G6 H6

A5 B5 C5 D5 E5 F5 G5 H5

A4 B4 C4 D4 E4 F4 G4 H4

A3 B3 C3 D3 E3 F3 G3 H3

A2 B2 C2 D2 E2 F2 G2 H2

A1 B1 C1 D1 E1 F1 G1 H1

'''

board = [[1,2,3,4,5,6,7,8], [1,2,3,4,5,6,7,8], [1,2,3,4,5,6,7,8], [1,2,3,4,5,6,7,8], [1,2,3,4,5,6,7,8], [1,2,3,4,5,6,7,8], [1,2,3,4,5,6,7,8], [1,2,3,4,5,6,7,8]]

RANK = {"A":board[0], "B":board[1], "C":board[2], "D":board[3], "E":board[4], "F":board[5], "G":board[6], "H":board[7]}

#Rank = letter

#File = number

print(RANK["A"])

BEGIN resetBoard()

FOR ranks in board DO

FOR files in ranks DO

SET board(files(ranks)) to NULL

ENDFOR

ENDFOR

FOR files in board DO

SET board(files(2)) to “WP”

SET board(files(7)) to “BP”

ENDFOR

SET board(a(1)) to “WR”

SET board(a(8)) to “BR”

SET board(b(1)) to “WN”

SET board(b(8)) to “BN”

SET board(c(1)) to “WB”

SET board(c(8)) to “BB”

SET board(d(1)) to “WQ”

SET board(d(8)) to “BQ”

SET board(e(1)) to “WK”

SET board(e(8)) to “BK”

SET board(f(1)) to “WB”

SET board(f(8)) to “BB”

SET board(g(1)) to “WN”

SET board(g(8)) to “BN”

SET board(h(1)) to “WR”

SET board(h(8)) to “BR”

END resetBoard()