|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| LEARNING PROFILE FOR BirthdayProblem | | | | | |
| *Name* | *:* | *Tyler Lucas* | *Due Date* | *:* | *N/A* |
| *Student ID* | *:* | *3305203* | *Submission Date* | *:* | *N/A* |

# Problem Statement

Textbook example program.

# Description of the Code

Simulate choosing people at random and checking the day of the year they were born on. If the birthday is the same as one that as seen previously, top, and output the number of people who were checked.

# Errors and Warnings

Version 1.0

No errors.

# Sample Input and Output

Person 1 has birthday number 304

Person 2 has birthday number 164

Person 3 has birthday number 321

Person 4 has birthday number 201

Person 5 has birthday number 122

Person 6 has birthday number 86

Person 7 has birthday number 264

Person 8 has birthday number 142

Person 9 has birthday number 316

Person 10 has birthday number 346

Person 11 has birthday number 99

Person 12 has birthday number 66

Person 13 has birthday number 308

Person 14 has birthday number 356

Person 15 has birthday number 284

Person 16 has birthday number 135

Person 17 has birthday number 30

Person 18 has birthday number 275

Person 19 has birthday number 136

Person 20 has birthday number 220

Person 21 has birthday number 335

Person 22 has birthday number 131

Person 23 has birthday number 263

Person 24 has birthday number 100

Person 25 has birthday number 11

Person 26 has birthday number 253

Person 27 has birthday number 196

Person 28 has birthday number 38

Person 29 has birthday number 355

Person 30 has birthday number 101

Person 31 has birthday number 168

Person 32 has birthday number 171

Person 33 has birthday number 288

Person 34 has birthday number 204

Person 35 has birthday number 27

Person 36 has birthday number 165

Person 37 has birthday number 120

Person 38 has birthday number 292

Person 39 has birthday number 33

Person 40 has birthday number 214

Person 41 has birthday number 252

Person 42 has birthday number 163

Person 43 has birthday number 211

Person 44 has birthday number 221

Person 45 has birthday number 21

Person 46 has birthday number 60

Person 47 has birthday number 2

Person 48 has birthday number 213

Person 49 has birthday number 222

Person 50 has birthday number 245

Person 51 has birthday number 73

Person 52 has birthday number 77

Person 53 has birthday number 182

Person 54 has birthday number 258

Person 55 has birthday number 289

Person 56 has birthday number 31

Person 57 has birthday number 4

Person 58 has birthday number 231

Person 59 has birthday number 241

Person 60 has birthday number 149

Person 61 has birthday number 261

Person 62 has birthday number 116

Person 63 has birthday number 314

Person 64 has birthday number 200

Person 65 has birthday number 86

A duplicate birthday was found after 65 tries.

# Discussion

Interesting algorithm. Not one I would have first proposed for this problem.