

3 parts
Logic driven
program

92
Friday

0 1 2 3 4 5 6

no. to be multiplied by 7

$$7 * 13 = 91$$

no. less than

3rd part

The no. we got we assign it a day less than the First day of Year and subtract from Users number, and run a loop the no. of times it is shorter and starts the list index from the day we got and finally stop at the "day" we want.

the day which was assigned to it.

["Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday", "Sunday"]

-7 -6 -5 -4 -3 -2 -1

1st part

First Day of Year, Index Number = "Friday", 4

2nd part

Binary Search Over the list of (1-52) elements and gets the no. to be multiplied with 7 to get the number smaller than the user given no.