#include <stdio.h>

#include <stdbool.h>

// Function to check for a leap year

bool is\_leap\_year(int year) {

return (year % 4 == 0 && year % 100 != 0) || (year % 400 == 0);

}

// Function to compute the next day's date

void next\_day(int day, int month, int year, int \*next\_day, int \*next\_month, int \*next\_year) {

int days\_in\_month[] = {31, 28, 31, 30, 31, 30,

31, 31, 30, 31, 30, 31};

// Adjust February for leap year

if (is\_leap\_year(year)) {

days\_in\_month[1] = 29;

}

day += 1;

if (day > days\_in\_month[month - 1]) {

day = 1;

month += 1;

if (month > 12) {

month = 1;

year += 1;

}

}

\*next\_day = day;

\*next\_month = month;

\*next\_year = year;

}

int main() {

int day, month, year;

int n\_day, n\_month, n\_year;

// Example input: you can change these values or use scanf

printf("Enter day, month, year: ");

scanf("%d %d %d", &day, &month, &year);

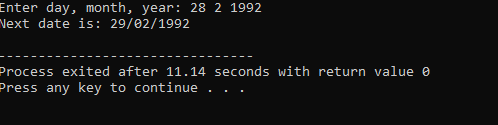
next\_day(day, month, year, &n\_day, &n\_month, &n\_year);

printf("Next date is: %02d/%02d/%d\n", n\_day, n\_month, n\_year);

return 0;

}

**Output:**

****