#include <stdio.h>

int main()

{

int year;

printf("Enter a year to check if it is a leap year\n");

scanf("%d", &year);

if (year%400 == 0) // Exactly divisible by 400 e.g. 1600, 2000

printf("%d is a leap year.\n", year);

else if (year%100 == 0) // Exactly divisible by 100 and not by 400 e.g. 1900, 2100

printf("%d isn't a leap year.\n", year);

else if (year%4 == 0) // Exactly divisible by 4 and neither by 100 nor 400 e.g. 2020

printf("%d is a leap year.\n", year);

else // Not divisible by 4 or 100 or 400 e.g. 2017, 2018, 2019

printf("%d isn't a leap year.\n", year);

return 0;

}