Question 9:

1. START
2. SET leapyear, year, agedays, month, birthmonth, birthyear, birthday, day, age, agemonth, days_age
3. Input year
4. If (year % 4 = 0) AND (year % 100 ≠ 0 OR year % 400 = 0) THEN
5. ~~return 1~~ i ← 1
6. ELSE ~~return 0~~. i ← 0
7. Print "Enter your birthdate in DD MM YY format."
8. Input birthday
9. Input birthmonth
10. Input birthyear
11. Print "Enter today's date in DD MM YY format."
12. Input day
13. Input month
14. Input year.

Date:

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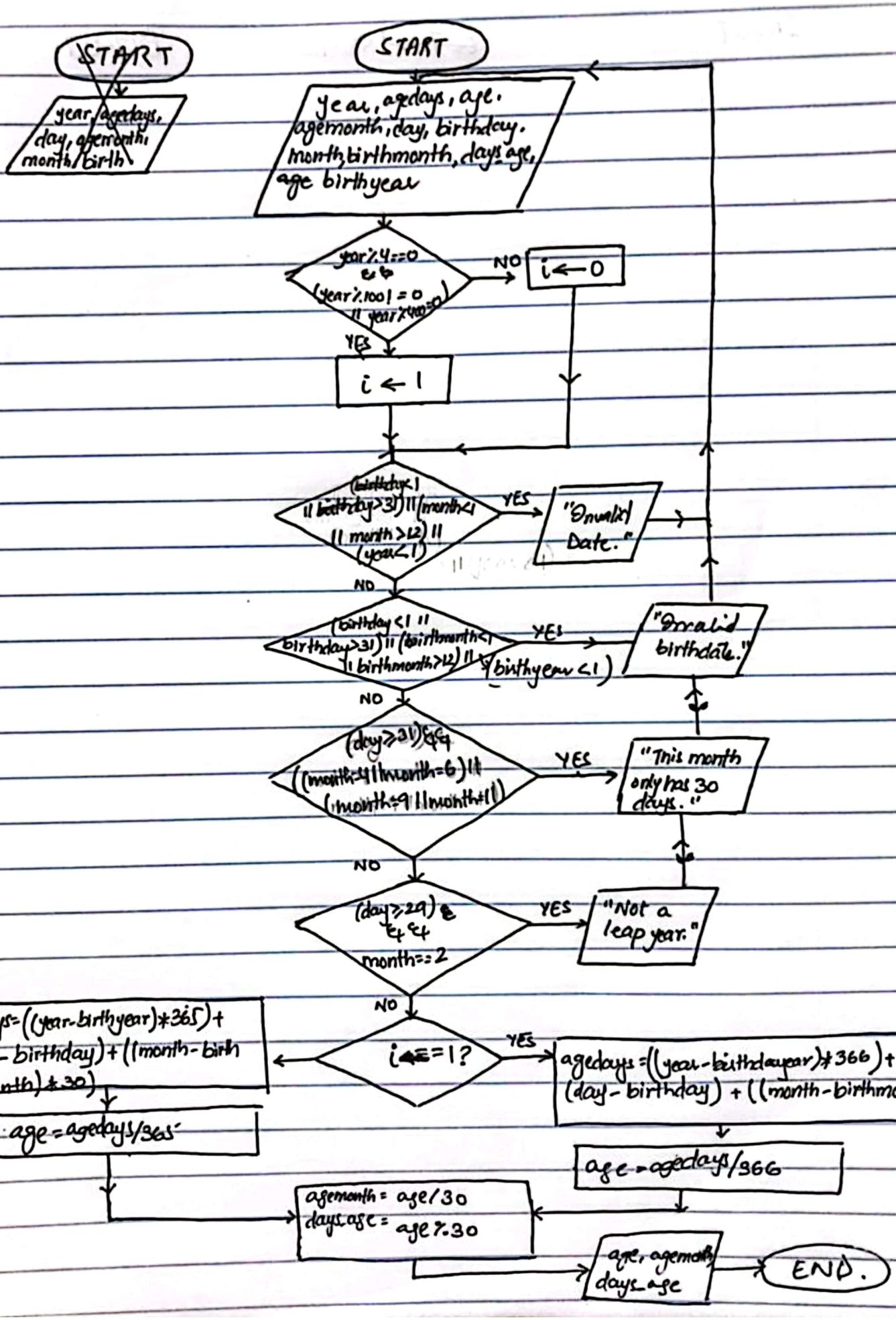
If (birthday<1 OR birthday>31) OR (birthmonth<1 OR birthmonth>12)
OR (birthyear<1) THEN
PRINT "Invalid birthdate."
ELSEIF (day<1 OR day>31) OR (month<1 OR month>12) OR
(year<1) THEN
PRINT "Incorrect date."
ELSEIF (day>=31 AND ((month = 4 OR month = 6)
OR (month = 9 OR month = 11)))
PRINT "Invalid date, this month can only only have 30 days."
ELSEIF (day>=29 AND month = 2) AND i = 0
PRINT "Invalid date, its not a leap year."
ELSE
    If i<-1
        agedays = ((year-birthyear)*366)+((day-birthday)*30)
        +(day-birthday).
        age = agedays/366
    ELSE agedays =((year-birthyear)*365)+((day-birthday)*30)
        +(day-birthday).
        age = agedays/365
    ENDIF
agemonths = age/30
agedays_age = age % 30.
PRINT "Years: ", age, "days: ", days_age, "months: ", agemonth
END IF.
END.
```


START
year, agedays, day, agemonth, month, birth
START
year, agedays, age, agemonth, day, birthday, month, birthmonth, days_age, age birthyear
year%4==0 && (year%100 != 0 || year%400==0)
NO
i ← 0
YES
i ← 1
(birthday<1 || birthday>31) || (month<1 || month>12) || (year<1)
YES
"Invalid Date."
NO
(birthday<1 || birthday>31) || (birthmonth<1 || birthmonth>12) || (birthyear<1)
YES
"Invalid birthdate."
NO
(day>=31) && (month==4 || month==6 || month==9 || month==11)
YES
"This month only has 30 days."
NO
(day>=29) && month==2
YES
"Not a leap year."
NO
i==1?
YES
agedays=((year-birthyear)*366)+(day-birthday)+((month-birthmonth)*30)
age=agedays/366
NO
agedays=((year-birthyear)*365)+(day-birthday)+((month-birthmonth)*30)
age=agedays/365
agemonth=age/30
days_age=age%30
age, agemonth, days_age
END.

Date:

INPUT	~~OUTPUT~~ PROCESS	OUTPUT
year, ~~age~~ age, days_age, agemonth, birthdate, birthmonth, birthyear, day, month, agedays,	If (year%.4) && (year%.100 != 0 && year%.400 == 00) then leap year, i ← 1 ELSE i ← 0 Days should be greater and equal to than, 1 and 31 Months should be greater than and equal to 1 and less than and equal to 12. year and birthyear ?1 If month = 2 AND i ← 0. then days ≤ 28. If month = 4, 6, 11, 9, days ≤ 30 ~~agedo~~ agedays = (((year - birthyear) * 365) +((month - birth month) * 30) +(~~date~~ - ~~birthdate~~ +(day - birthday) PRINT age.	"Invalid date" "Invalid date" "Invalid date" "AGE