|  |  |  |
| --- | --- | --- |
| INPUT | OUTPUT | PROCESSING |
| Input the person’s birthdate  Input today’s date | How old the person is today | First check whether the dates entered is correct, including the leap year  Then convert the date to years and calculate how old the person is |

**IPO**

**PSEUDOCODE**

Start

Print "input the birth date

Input Date\_Birth

Print "input the today date

Input Date\_Today

Print "input the birth month [1 for Jan 2 for Feb 3 for Mar 4 for Apr 5 for May 6 for Jun 7 for Jul 8 for Aug 9 for Sep 10 for Oct 11 for Nov 12 for Dec]"

Input Month\_Birth

Print "input the today month [same format]

Input Month\_Today

Print "input the birth year"

Input Year\_Birth

Print "input the today year"

Input Year\_Today

Repeat

i = 1

If Month\_Birth = 1 && Date\_Birth > 31

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Month\_Today = 1 && Date\_Today > 31

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 3 && Date\_Birth > 31

Then Print "invalid date or month, input again"

Input Date\_Birth, , Input Month\_Today

i = 0

Else If Month\_Today = 3 && Date\_Today > 31

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 4 && Date\_Birth > 30

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Month\_Today = 4 && Date\_Today > 30

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 5 && Date\_Birth > 31

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Month\_Today = 5 && Date\_Today > 31

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 6 && Date\_Birth > 30

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Month\_Today = 6 && Date\_Today > 30

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 7 && Date\_Birth > 31

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Month\_Today = 7 && Date\_Today > 31

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 8 && Date\_Birth > 31

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Month\_Today = 8 && Date\_Today > 31

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 9 && Date\_Birth > 30

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Month\_Today = 9 && Date\_Today > 30

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 10 && Date\_Birth > 31

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Month\_Today = 10 && Date\_Today > 31

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 11 && Date\_Birth > 30

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Month\_Today = 11 && Date\_Today > 30

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 12 && Date\_Birth > 31

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Month\_Today = 12 && Date\_Today > 31

Then Print "invalid date or month, input again"

Input Date\_Today, Input Month\_Today

i = 0

Else If Month\_Birth = 2 && (If Year\_Birth % 400 == 0 || Year\_Birth % 4 == 0 && Year\_Birth % 100 != 0)

If Date\_Birth > 29

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

Else If Date\_Birth > 28

Then Print "invalid date or month, input again"

Input Date\_Birth, Input Month\_Today

i = 0

End If

End If

Until i = 1

Year\_Birth = Year\_Birth + (Date\_Birth / 365) + (Month\_Birth / 12)

Year\_Today = Year\_Today + (Date\_Today / 365) + (Month\_Today / 12)

Old = Year\_Today - Year\_Birth

Print "You are", Old, "Years old"

// yar mister bhoola please raham kha liya karo humare uppar

End

**FLOWCHART**

// sir sorry, magar mein is ka itna bara flow chart nhi bana sakta, please marks nhi cut kare ga.