

# Easter

April 22, 2025

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[1]: #Let y be the year (such as 1800 or 2001)
y=int(input("Easter"))

#divide y by 19 and call the remainder a. Ignore the quotient
a=y%19

#divide y by 100 to get quotient b and a remainder c
b=y//100
c=y%100

#divide b by 4 to get quotient d and remainder e
d=b//4
e=b%4

#divide 8b + 13 by 25 to get quotient g. ignore the remainder
g=(8*b+13)//25

#divide 19a + b - d - g + 15 by 30 to get remainder h. ignore the quotient
h=(19*a+b-d-g+15)%30

#divide c by 4 to get quotient j and remainder k
j=c//4
k=c%4

#divide a + 11 h by 319 to get quotient m. ignore the remainder
m=(a+11*h)//319

#divide 2e + 2 * j - k - h + m + 32 by 7 to get remainder r. ignore the quotient
r=(2*e+2*j-k-h+m+32)%7

#divide h - m + r + 90 by 25 to get quotient n. ignore the remainder
n=(h-m+r+90)//25

#divide h - m + r + n + 19 by 32 to get remainder p. ignore the quotient
p=(h-m+r+n+19)%32

month=n
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day=p
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print("Easter", y, "is on", month, "/", day)
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Easter 2025

Easter 2025 is on 4 / 20

[ ]: