

ruteo1_solucion

Entrada: 29 2 2020

dd	mm	aaaa	es_bisiesto	aaaa_ok	mm_ok	dd_ok
29						
	2					
		2020				
			True			
				True		
					True	
						True

Pantalla:
Fecha correcta

```

dd = int(input("Ingrese día: "))
mm = int(input("Ingrese mes: "))
aaaa = int(input("Ingrese año: "))

es_bisiesto = (aaaa % 4 == 0)
es_bisiesto = es_bisiesto and (aaaa % 100 != 0 or aaaa % 400 == 0)

aaaa_ok = aaaa >= 1800
mm_ok = (mm > 0 and mm <= 12)
dd_ok = (dd > 0 and dd <= 31)

if mm == 4 or mm == 6 or mm == 9 or mm == 11:
    dd_ok = dd_ok and (dd <= 30)
if mm == 2:
    if es_bisiesto:
        dd_ok = dd_ok and (dd <= 29)
    else:
        dd_ok = dd_ok and (dd <= 28)

if aaaa_ok and mm_ok and dd_ok:
    print("Fecha correcta")
else:
    print("Fecha incorrecta")

```

ruteo2_solucion

Entrada: 31 6 2023

dd	mm	aaaa	es_bisiesto	aaaa_ok	mm_ok	dd_ok
31						
	6					
		2023				
			False			
				True		
					True	
						True
						False

Pantalla:
Fecha incorrecta

```

dd = int(input("Ingreso día: "))
mm = int(input("Ingreso mes: "))
aaaa = int(input("Ingreso año: "))

es_bisiesto = (aaaa % 4 == 0)
es_bisiesto = es_bisiesto and (aaaa % 100 != 0 or aaaa % 400 == 0)

aaaa_ok = aaaa >= 1800
mm_ok = (mm > 0 and mm <= 12)
dd_ok = (dd > 0 and dd <= 31)

if mm == 4 or mm == 6 or mm == 9 or mm == 11:
    dd_ok = dd_ok and (dd <= 30)
if mm == 2:
    if es_bisiesto:
        dd_ok = dd_ok and (dd <= 29)
    else:
        dd_ok = dd_ok and (dd <= 28)

if aaaa_ok and mm_ok and dd_ok:
    print("Fecha correcta")
else:
    print("Fecha incorrecta")

```

Entrada: 31 7 1900

dd	mm	aaaa	es_bisiesto	aaaa_ok	mm_ok	dd_ok
31						
	7					
		1900				
			True			
			False			
				True		
					True	
						True

Pantalla:
Fecha correcta

```

dd = int(input("Ingrese día: "))
mm = int(input("Ingrese mes: "))
aaaa = int(input("Ingrese año: "))

es_bisiesto = (aaaa % 4 == 0)
es_bisiesto = es_bisiesto and (aaaa % 100 != 0 or aaaa % 400 == 0)

aaaa_ok = aaaa >= 1800
mm_ok = (mm > 0 and mm <= 12)
dd_ok = (dd > 0 and dd <= 31)

if mm == 4 or mm == 6 or mm == 9 or mm == 11:
    dd_ok = dd_ok and (dd <= 30)
if mm == 2:
    if es_bisiesto:
        dd_ok = dd_ok and (dd <= 29)
    else:
        dd_ok = dd_ok and (dd <= 28)

if aaaa_ok and mm_ok and dd_ok:
    print("Fecha correcta")
else:
    print("Fecha incorrecta")

```

ruteo4_solucion

Entrada: 5 10 1610

dd	mm	aaaa	es_bisiesto	aaaa_ok	mm_ok	dd_ok
5						
	10					
		1610				
			False			
				False		
					True	
						True

Pantalla:
Fecha incorrecta

```

dd = int(input("Ingrese día: "))
mm = int(input("Ingrese mes: "))
aaaa = int(input("Ingrese año: "))

es_bisiesto = (aaaa % 4 == 0)
es_bisiesto = es_bisiesto and (aaaa % 100 != 0 or aaaa % 400 == 0)

aaaa_ok = aaaa >= 1800
mm_ok = (mm > 0 and mm <= 12)
dd_ok = (dd > 0 and dd <= 31)

if mm == 4 or mm == 6 or mm == 9 or mm == 11:
    dd_ok = dd_ok and (dd <= 30)
if mm == 2:
    if es_bisiesto:
        dd_ok = dd_ok and (dd <= 29)
    else:
        dd_ok = dd_ok and (dd <= 28)

if aaaa_ok and mm_ok and dd_ok:
    print("Fecha correcta")
else:
    print("Fecha incorrecta")

```