Algorithm Date in days

Variables:

dd, mm, yy, Number\_of\_the\_year , num\_31, num\_30 : integer

Instructions:

write(“Please input a precise day like 14/03/2005:”)

read (KBD ! dd, mm, yy)

num\_30 ← 0

num\_31 ← 0

if mm=1 then

Number\_of\_the\_year ← dd

else if mm=2 then

Number\_of\_the\_year ← 31 + dd

else if mm ≥ 3 and mm % 2 ≠ 0 then

num\_31 ← mm / 2 – 1

num\_30 ← mm / 2 – 1

else if mm ≥ 3 and mm % 2 = 0 then

num\_31 ← mm / 2 – 1

num\_30 ← mm / 2 – 2

endif

if m≥3 then

Number\_of\_the\_year ← 31 + 28 + 31 \* num\_31 + 30 \* num\_30 + dd

if (yy % 4≠0 and yy%100 ≠ 0) or yy%400 = 0

Number\_of\_the\_year ← Number\_of\_the\_year + 1

endif

endif

write(“is day number of the year ” ,dd, mm, yy, Number\_of\_the\_year, yy !)

end Date in days