

Algorithm: Runge Kutta 2nd Order

- Read x_0, y_0, x_n, h
- While ($x_0 \leq x_n$) do
 - Print x_0, y_0
 - $k_1 = h * f(x_0, y_0)$
 - $x_0 = x_0 + h$
 - $k_2 = h * f(x_0, y_0 + k_1)$
 - $y_0 = y_0 + 0.5 * (k_1 + k_2)$End while
- Print x_0, y_0

END