Eular’s Method

Algorithm

1. Start

2. Define function

3. Get the values of x0, y0, h and xn\*Here x0 and y0 are the initial conditions h is the interval xn is the required value

4. n = (xn – x0)/h + 1

5. Start loop from i=1 to n

6. y = y0 + h\*f(x0,y0) x = x + h

7. Print values of y0 and x0

8. Check if x < xn If yes, assign x0 = x and y0 = y If no, goto 9.

9. End loop i

10. Stop