

# Algorithm: Horner's Method (for evaluation of polynomial)

$$f(x) = a_n x^n + a_{n-1} x^{n-1} + \cdots + a_0,$$

- Read degree say n
- For i = 0 to n in steps of 1 do  
    Read  $arr[i]$   
End for
- Read x
- Set result =  $arr[0]$
- For i = 1 to (n+1) in steps of 1 do  
    result =  $arr[i] + x * result$   
End for
- Print result

END