

```
> function factorial(x) {  
    local i, res  
  
    i = 1  
    res = 1  
  
    if (x == 0.0) {  
        return 1  
    }  
  
    while (i <= x) {  
        res = res*i  
        i = i + 1  
    }  
  
    return res  
}  
>  
>  
>  
>  
>  
>  
>  
> n = 4  
> factorial(n)  
24.000000  
> factorial(0)  
1.000000
```