START

READ X;

i = 1; j = 1

j = j * i

i ++ ←NO— i <= X

YES

print j;

END

Algorithm:

1. Read number X;
2. Initialize i and j to 1;
3. while i is not equal to X, repeat steps 4 and 5
4. j = j * i;
5. i = i + 1
6. Return j;

JavaScript code;

```
function factorialize(num){
    if( num < 0 )
        return -1;
    else if (num == 0)
        return 1;
    else{
        return (num * factorialize(num -1));
    }
}
```