```
Factorial
0
        1X2=1
       1X5x}=p
        1x 2x1x4= 24
        1×2×3×4×5=120
 input : ~
  output: n! (fedocial)
  int factorial = 1
 the {
for (int i=zii <=n ; int) {
factorial == i;
   return factorial;
  recuishe
factorial (n)
   if (n = = 0 11 n==1)
   the return no fadrial (n-1);
```