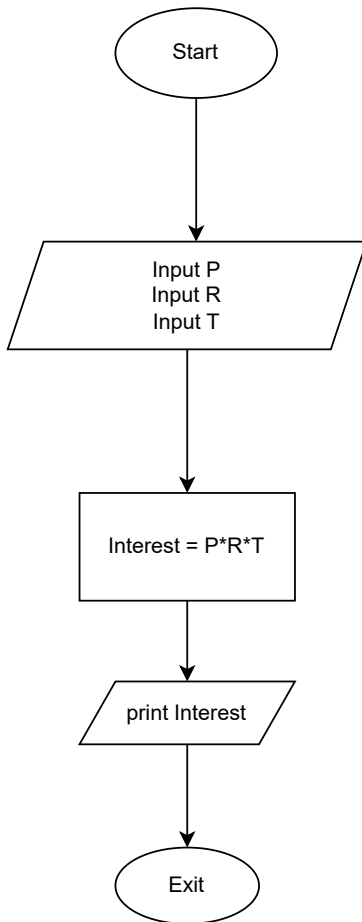


# Homework Lecture 1 : DSA

a. Calculate "Simple Interest" from Principal (P), Rate (R) & Time (T).

## Flowchart

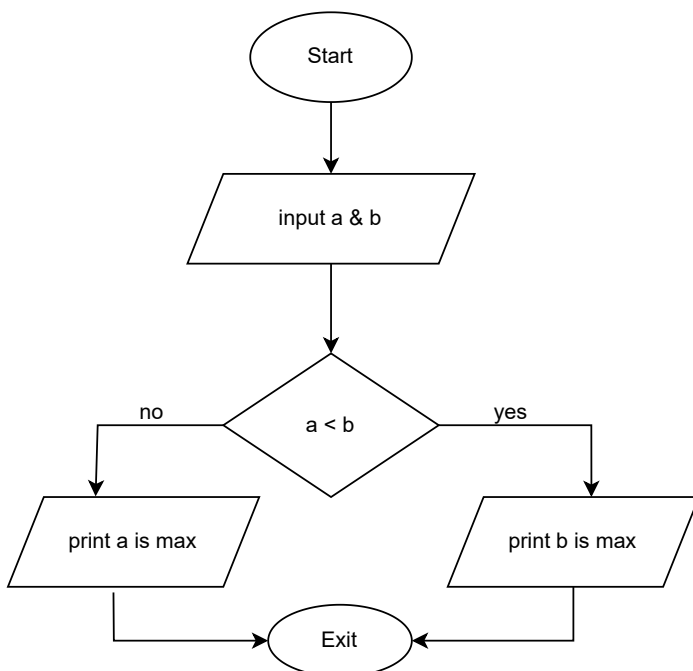


## Pseudocode

step 1: input P,R,T  
step 2: Interest =  $P \times R \times T$   
step 3: print Interest  
step 4: Exit

b. Calculate Max of 2 numbers.

## Flowchart

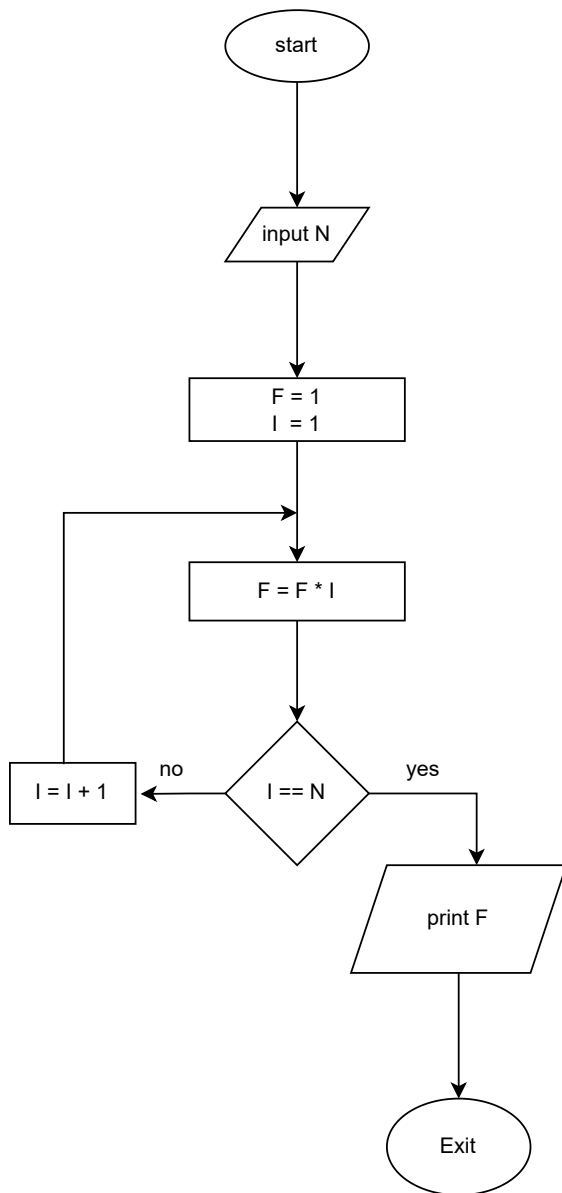


## Pseudocode

step 1: input a & b  
step 2: if a < b  
    print a is max  
    else  
        print b is max  
step 3: Exit

c. Calculate Factorial of a number N.

### Flowchart



### Pseudocode

step 1: input N

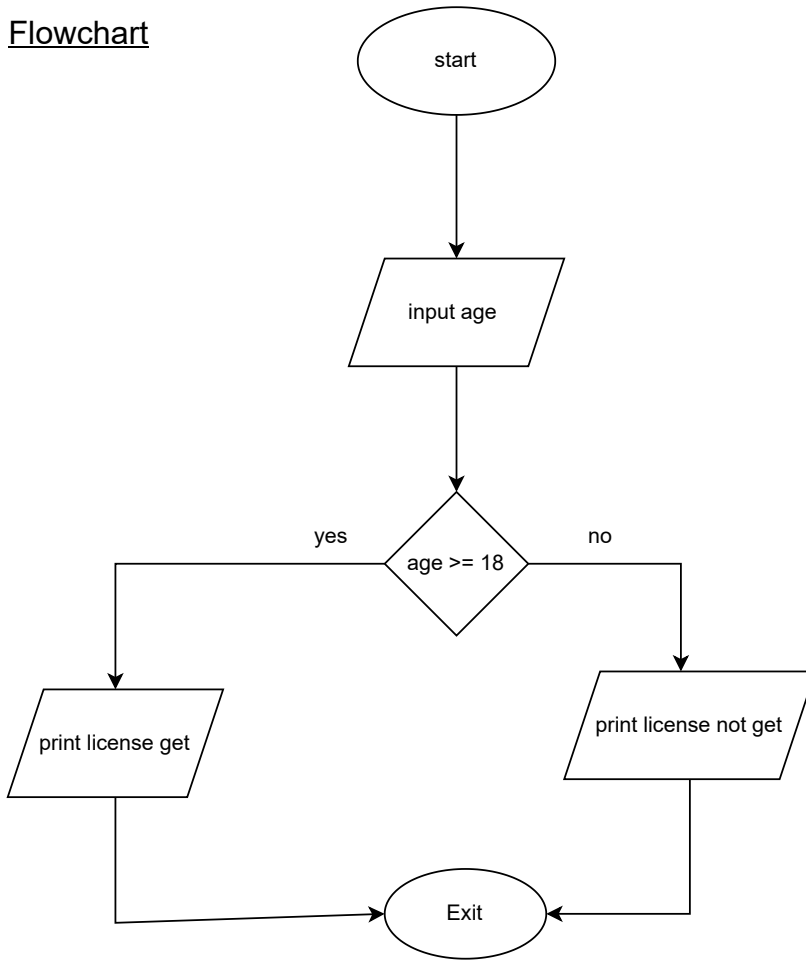
step 2: F = 1, I = 1

step 3: while F = F \* I  
    if I == N  
        print F  
    else  
        I = I + 1

step 3: Exit

d. Given a person's age, find if they should get a driving license or not.

### Flowchart



### Pseudocode

step 1: input age

step 2: if age >= 18  
    print license get  
else  
    print license not get

step 3: Exit