

Chapitre 4 - TP3**CORRIGÉ**

```
// Exercice 1
n = input("n=")
u = 5
for k = 1:n
    u = log(1+u^2)
end
disp(u)

n = 0
u = 5
while u > 10^(-5)
    u = log(1+u^2)
    n = n+1
end
disp(n)

// Exercice 2
n = input('Saisir un entier naturel n:')
p = 1
for k = 1:n
    p = p*k
end
disp(p)

n = 0
p = 1
while p < 10^(100)
    n = n+1
    p = p*n
end
disp(n)

n = 0
p = 1
while p <= 1000000
    n = n+1
    p = p*n
end
disp(n-1)

n = input('Saisir un entier naturel n:')
p = 1
S = 1/p
for k = 1:n
    p = p*k
    S = S + 1/p
end
disp(S)
```

```
// Exercice 3
for k = 1:10
    disp( floor( 6*rand() + 1) )
end

d = floor( 6*rand() +1)
n = 1
while d <> 6
    d = floor( 6*rand() +1)
    n = n+1
end
disp(n)
```