



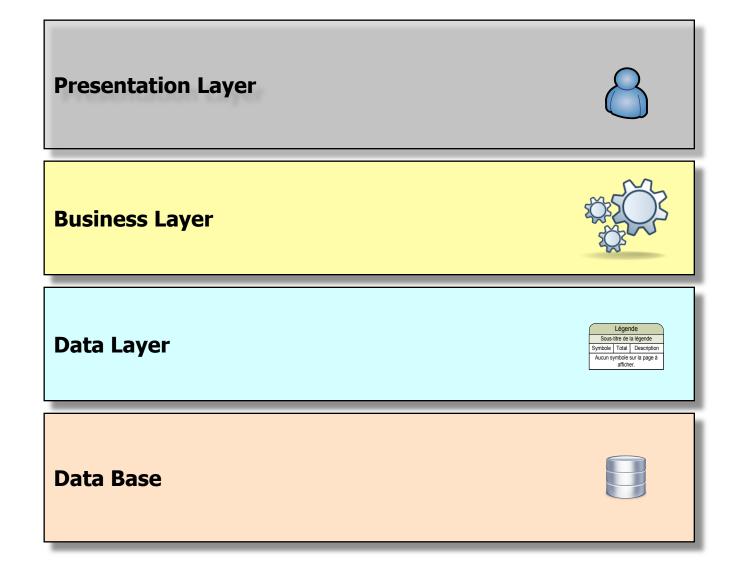






Layered Architecture

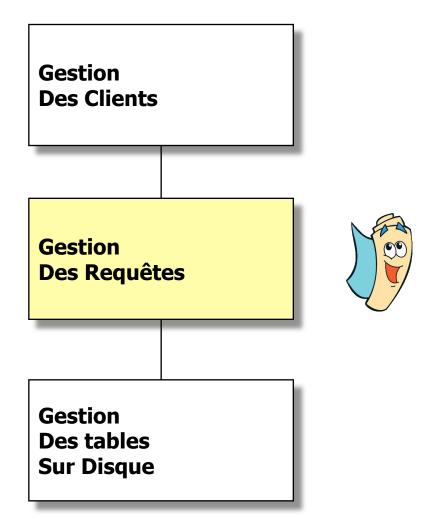


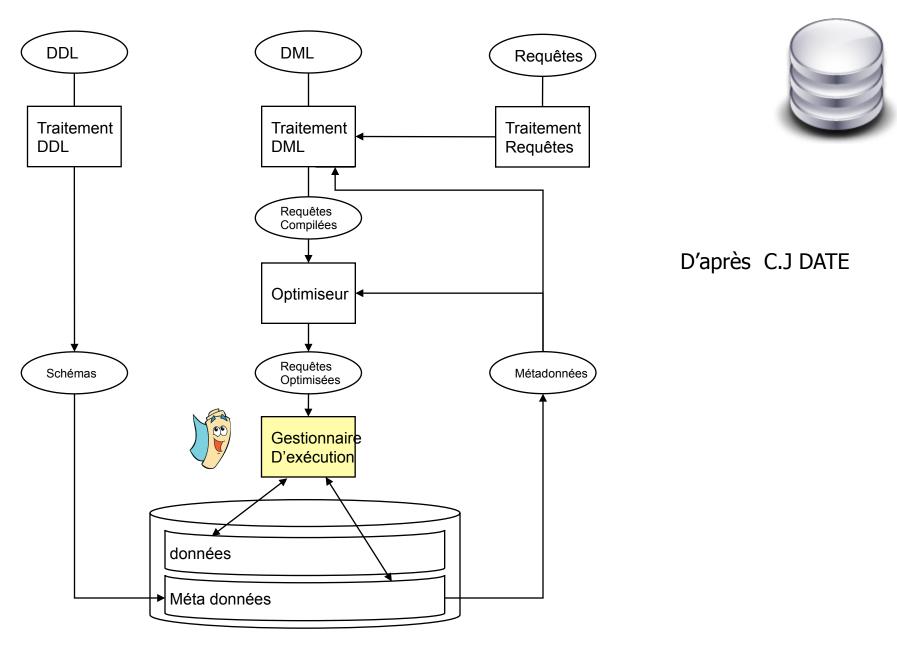




Big Picture







DDL : langage de définition des données; DML : langage de manipulation des données

Au départs : « Tableaux »

R

S

char

Α	
Z	
G	
J	
U	
K	
Е	
В	
V	
D	

char

В
U
Z
K
X
V
N
L
M
E

Table S

Table R

$$RS = join(R,S)$$



SQL



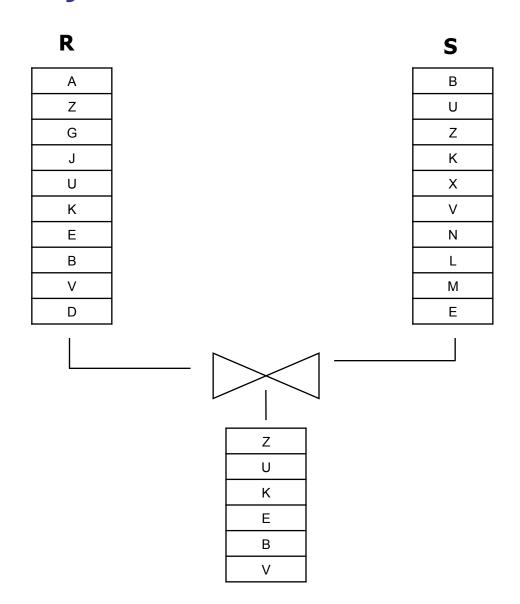
Select S.char

From R,S

Where S.char = R.char;

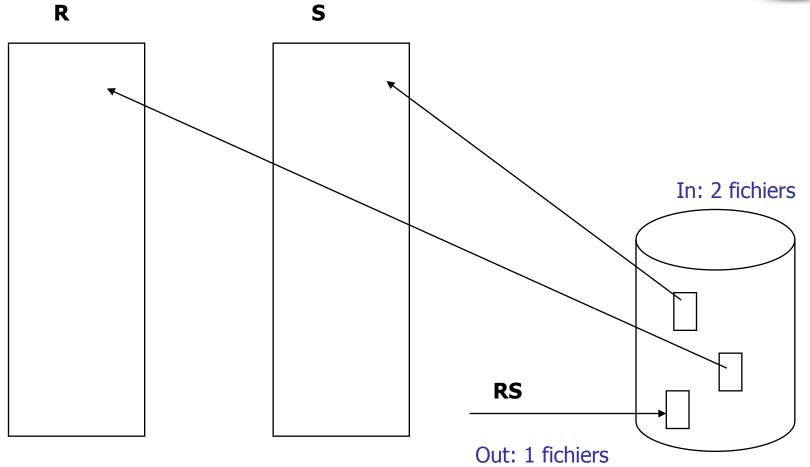
Résultat de la jointure





Au départ les « tables » sont sur disque







Algo1

end loop

for each r in R loop

for each s in S loop

if r = s

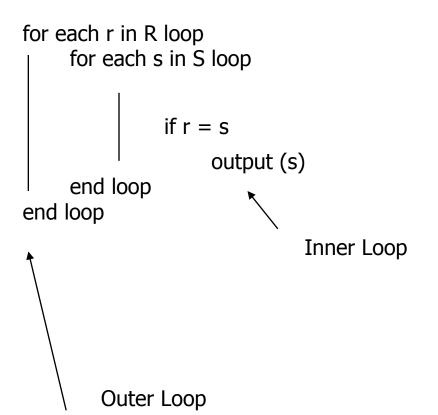
output (s)

end loop



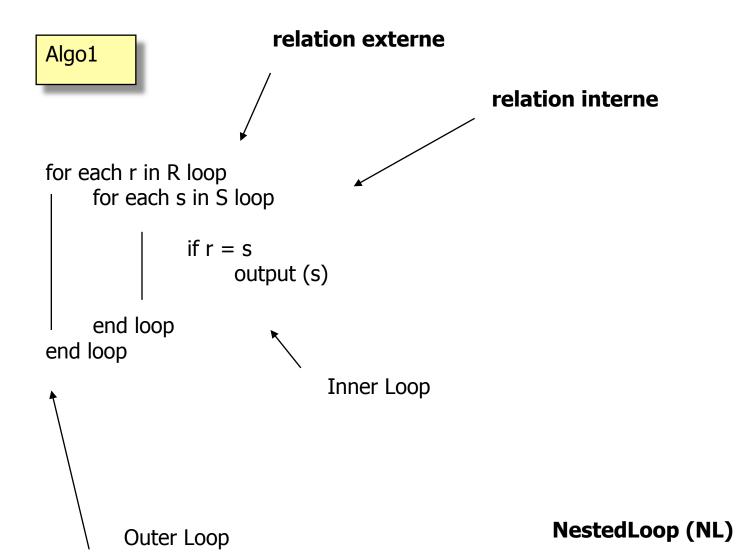


Algo1













Algo1

Complexité ?

```
for each r in R loop
for each s in S loop

if r = s
output (s)
end loop
end loop
```





Algo1

Complexité O (n²)

```
for each r in R loop
for each s in S loop
if r = s
output (s)
end loop
end loop
```





Algo1

