

Langage C

TD 2



`#include<stdio.h>`

EXERCICE 1

```
#include <stdio.h>
#include <stdlib.h>
#include <math.h>

#define N 100

int main()
{
    int signal[N];
    int i;

    for(i = 0, i < N, i++);
    {
        signal[i] = 20 * sin(i / 10);
    }

    printf("Case %d = ", i, signal[i]);
    return 0;
}
```

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DÉFINITION D'UNE CONSTANTE

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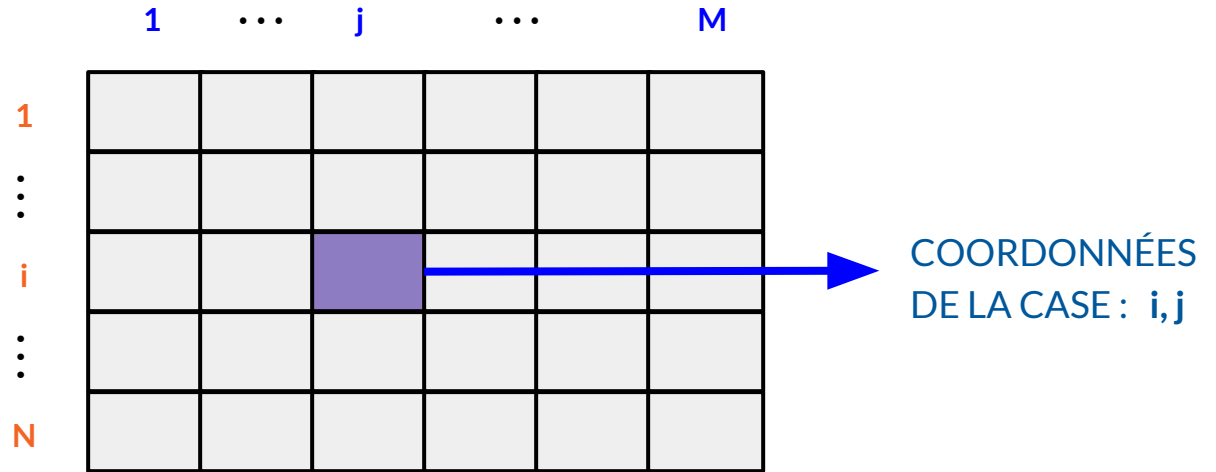
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    return 0;
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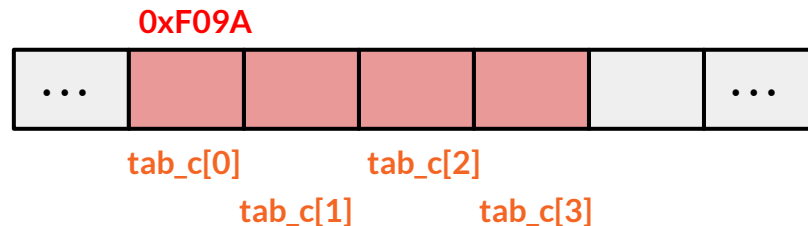
Mauvaise écriture
de la boucle
PAS DE ; A LA FIN

EXERCICE 4

TABLEAU 1D



Mémoire en 1D seulement



Solution ??

EXERCICE 5

```
#include <stdio.h>
#include <stdlib.h>

#define EPS 0.001

int main()
{
    double expo, terme, x;
    int ite = 0, fact;

    printf("Veuillez saisir la valeur de x (proche de 0) pour laquelle voi
scanf("%lf", &x);

    fact = 1;
    expo = 1;
    terme = 1;

    while(terme > EPS){
        ite++;
        printf("Ite = %d\n", ite);
        expo += terme;
        x = x * x;
        fact = fact * ite;
    }
    printf("Le résultat approximatif de exp(%lf) est : %lf \n", x, expo);

    return 0;
}
```