

C++



Saisie d'utilisateurs
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C++ Prog saisie d'1 numéro -> std::cin >> x;

```
1 #include <iostream>
2
3 int main()
4 {
5     int number{0};
6
7     std::cout << "Enter a number : ";
8     std::cin >> number; // Buffer -> Boîte à données
9
10    std::cout << "The number is " << number << std::endl; // std::endl vide le buffer de ses données
11
12    return 0;
13 }
14
15
16
17
18
19
```



```
Enter a number : 12
The number is 12
Program ended with exit code: 0
```

C++

Prog saisie de 2 numéros ->

```
1  #include <iostream>
2
3  int main()
4  {
5      int number{0};
6
7      std::cout << "Enter a number : ";
8      std::cin >> number; // Buffer -> Boîte à données
9
10     std::cout << "The number is " << number << std::endl; // std::endl vide le buffer de ses données
11
12     std::cin >> number;
13     std::cout << "The number is " << number << std::endl;
14
15
16     return 0;
17
18 }
19
20
```

Enter a number : 12 23
The number is 12
The number is 23
Program ended with exit code: 0

C++ Initialisation d'un string `std::string str{}`

```
1 #include <iostream>
2
3 int main()
4 {
5     std::string name{}; // création d'une chaîne de caractère
6
7     std::cout << "What is your name? : ";
8
9     std::cin >> name;
10    std::cout << "Your name is " << name << std::endl;
11
12    return 0;
13 }
14
15
16
17
18
19
```



```
What is your name? : Dorian
Your name is Dorian
Program ended with exit code: 0
```

C++

std::getline()

prendra toutes les données rentrées par l'utilisateur jusqu'à retour à la ligne

```
int main()
{
    std::string name{}; // création d'une chaîne de caractère

    std::cout << "What is your name? : ";

    std::getline(std::cin, name); //std::cin >> name;
    std::cout << "Your name is " << name << std::endl;

    return 0;
}
```

```
What is your name? : Dorian Mekni
Your name is Dorian Mekni
Program ended with exit code: 0
```

C++

.clear() | .ignore()

```
13 #include <iostream>
14 #include <string>
15 #include <limits>
16
17 int main()
18 {
19     std::string name{};
20     std::string address{};
21
22     std::cout << "What is your name? ";
23
24     std::cin >> name;
25     std::cout << "Your name is " << name << std::endl;
26
27     std::cin.clear(); // Remise en fonction du cin avant nouvel usage
28     std::cin.ignore(std::numeric_limits<std::streamsize>::max(), '\n');
29     // Elle ignore le maximum que le flux peut contenir
30
31     std::cout << "Where do you live? ";
32     std::cin >> address;
33     std::cout << "Your address is " << address << std::endl;
34     return 0;
35 }
36
37
38
```

```
What is your name? Dorian Mekni
Your name is Dorian
Where do you live? Paris
Your address is Paris
Program ended with exit code: 0
```

C++

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