

TP 1 - Partie 1 - Exercice 1 - I

```
1  #include <iostream>
2
3  int main() {
4      // Using literal constants.
5      std::cout << "type      value sz\n";
6      std::cout << "int          " << 1 << ' ' << sizeof 1 << '\n';
7      std::cout << "unsigned int " << 1u << ' ' << sizeof 1u << '\n';
8      std::cout << "long int     " << 1l << ' ' << sizeof 1l << '\n';
9      std::cout << "double       " << 1. << ' ' << sizeof 1. << '\n';
10     std::cout << "float        " << 1.f << ' ' << sizeof 1.f << '\n';
11     std::cout << "char         " << 'a' << ' ' << sizeof 'a' << '\n';
12     std::cout << "bool         " << true << ' ' << sizeof true << '\n';
13     // Using variables.
14     int my_int{1};
15     std::cout << my_int << ' ' << sizeof my_int << '\n';
16     // The operator "sizeof" needs parenthesis with type.
17     std::cout << my_int << ' ' << sizeof(int) << '\n';
18     return 0;
19 }
```

TP 1 - Partie 1 - Exercice 1 - II

Possible output:

```
1  type      value sz
2  int       1 4
3  unsigned int 1 4
4  long int  1 8
5  double    1 8
6  float     1 4
7  char      a 1
8  bool      1 1
9  1 4
10 1 4
```