

istream C++ ostream (output stream), ostream (input stream) iostream.h

“<<”

“>>”

: " "

- cin، متحول من النمط istream مرتبط بملف الدخل المقيس.
- cout، متحول من النمط ostream مرتبط بملف الخرج المقيس.
- cerr متحول من النمط ostream مرتبط بملف الأخطاء المقيس ولا ترتبط به ذاكرة مؤقتة.

كما يوجد في هذه المكتبة تعريفات للمؤثرات التالية:

“\n” endl •

: dec, flush, hex, oct •

: flush .1

flush

```
#include <iostream.h>
int main() {
    int numbe;
    cout << "Enter a number between 0 and 12 " << flush;

    cin >> nombre;
}
```

Hex .2

oct, dec

```
#include <iostream.h>

int main() {
    int n;
    cout << "Enter an integer number " << flush;
    cin >> n; // equivalent to cin >> dec >> n;
    cout << "This is the number in hexadecimal : " << hex << n << endl;
    cout << " This is the number in octal : " << oct << n << endl;

    cout << (++n) << endl; // we are still in octal mode!

    cout << " This is the number in hexadecimal : " << hex << n << endl;
    // now we move to decimal mode
    cout << " This is the number in decimal : " << dec << n << endl;
```

```

cout << " Enter an integer number " << flush;
cin >> hex >> n; // input in hexadecimal mode
cout << " This is the number in hexadecimal: " << hex << n << endl;
cout << " This is the number in decimal: " << dec << n << endl;

cout << " Enter an integer number " << flush;
cin >> n; // still in hexadecimal mode
cout << "" This is the number in hexadecimal: " << hex << n << endl;
cout << "" This is the number in decimal: " << dec << n << endl;

return 0;
}

```

:

```

Enter an integer number 45
This is the number in hexadecimal : 2d
This is the number in octal : 55
56
This is the number in hexadecimal : 2
This is the number in decimal : 46
Enter an integer number AB
This is the number in hexadecimal: ab
This is the number in decimal: 171
Enter an integer number D2
This is the number in hexadecimal: d2
This is the number in decimal: 210

```

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