```
Telsian: -> Tormotter interface
  · ON lOFF flogler: Boolendin Solf the furthers torondo moske section.
      using namespace std;
      auto n= cout.width(20);
    using namespace std;
     cout.setf(ios::left, ios::adjustfield);
     auto c = cout.fill('+'); -> bosher youre
      cout << (int)c << "\n";
      cout.width(40);
       cout << 345 << "murat";
                                                              · Precession, nowleden some bac elemen almoragini set
  nt main()
                                                              eda. Anaol. print edilmarni granthemen, Chrici print edilmai
     using namespace std;
                                                              Fixed / Scientific Olmosina de bogili!
     cout << typeid(streamsize).name() << "\n";</pre>
      cout.setf(ios::fixed, ios::floatfield);
      cout.precision(12);
      cout << 736245.8723457834958234;
                                     Foredhan 12 be some
                                     yor died 1
```

```
#include <sstream>
class fmt {
public:
     fmt(std::ostream& os) : m_os{os}, m_flags{os.flags()) {}
          ~fmt()
          m_os.flags(m_flags);
 private:
      std::ostream& m_os;
      std::ios::fmtflags m_flags;
 main()
       using namespace std;
               > estit voltne cerimen icin, sege icine aldi
            fmt fm{ cout };
            cout.setf(ios::boolalpha | ios::uppercase | ios::showbase);
            cout.setf(ios::hex, ios::basefield);
cout << 47802 << " " << 57054 << '\n';</pre>
        cout << 47802 << " " << 57054 << '\n';
```

* Ostreom mansplaters:

```
std::ostream& <a href="Endl">Endl</a>(std::ostream& os)
                                                          -> binggin end his steam manyclator. Oragin afficebroom
      os.put('\n');
      os.flush();
      return os;
 pint main()
       using namespace std;
       cout << 12 << Endl << 34 << Endl;
```

```
Caki, original endl by function templote !
* Parametre almosa manipulatorier, 103 bashik dayusinda
```

```
std::ostream& sl(std::ostream& os)
    os << "\n***
    os.flush();
    return os;
int main()
    using namespace std;
     cout << 12 << sl << 34 << sl << 4.5 << sl << "alican" << sl;
```

```
Std::ostream& BoolAlpha(std::ostream& os)

{
    os.setf(std::ios::boolalpha);
    return os;
}

astd::ostream& NoBoolAlpha(std::ostream& os)

{
    os.unsetf(std::ios::boolalpha);
    return os;
}

since main()

using namespace std;

cout << (10 > 5) << NoBoolAlpha << '\n';
    cout << 57054 << Hex << 57054 << '\n';
}
```

```
# Parametre Alan Manaputateller: _____ iomanip tetypnanesinale
```

• setw setprecision set fill glis manipulatailer. set ros flag reset ros flags

-> Custom Porometered Monipulators:

```
class of { -> Brun for bir yenlem: NL bir class of an
public:
    nl(int val) : mc{val} {}
    friend std::ostream& operator<<(std::ostream& os, const nl& nx)
         for (int i = 0; i < nx.mc; ++i) {
             os.put('\n');
                                                    Operator CC Inserter i
                                                 olan be sinifin.
         return os;
private:
     int mc;
};
int main()
     using namespace std;
     int x = 35;
                                 souds newline
     double dval = 56.12;
     string name{ "eray" };
     cout << x << h1(5) << dval << n1(7) << name;
```

```
std::quoted monputation: • Ciff tenot rande youldnesses sayle.

std::string str{ "samet yazici" };

std::cout << std::quoted(str) << " " << std::quoted("musa sertkaya") << '\n';

bullnum oiternaticless
```

*Custom Insecter Finetions:

```
Array inserter:
```

+String stream Similar: Kullania annoen okuna / yerma islandering beliek overnok yyernok, laporint & Kascand)

->05 tringskeen:

```
#include <sstream>

aint main()

{
    using namespace std;
    int ival = 1243;
    char c{ ':' };
    double dval{ 435.7456 };

    auto(s) = (ostringstream{} << ival << c << dval).str();

    cout << s << "\n";

    Asaca maniple edilebili.
```

-> contina:

Os tringstream kadi kadini flushlama, icinde tettege degree, also gepilmodes / nesne goli olmodish socere o'lama. Ayni helmaja / buflerde, durmaja duran eder.

```
eger, Ostronyetrean similaria belletian templer,
Alternatif ourch, local algorita ( {}) arasinate,
scepe trinde) obstale hellarman,
```

```
- Istringsteen Snili:
```

-> getline global Contribution: -> getlineda boshular dihil solici alici

```
using namespace std;

string sline;

cout << "bir yazi girin: ";
 getline(cin, sline);

istringstream is{ sline };

bv %eknck ck thrustenn
custowsite.

string word;

while (is >> word) {
   cout << word << '\n';
}</pre>
```