

**O‘ZBEKISTON RESPUBLIKASI AXBOROT TEXNOLOGIYALARI VA
KOMMUNIKATSIYALARINI RIVOJLANTIRISH VAZIRLIGI**

**MUHAMMAD AL-XORAZMIY NOMIDAGI TOSHKENT AXBOROT
TEXNOLOGIYALARI UNIVERSITETI**



Informatika asoslari kafedrası
Dasturlash Fani

5 - AMALIY ISH

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18-variant

1-topshiriq

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18	Navbat o'rtasiga '+' belgi joylashtirilsin
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```
#include <iostream>
#include <string>
#include <set>

int main() {
    std::string myString = "AbcDefGHiJKlmnopQRStuvwxyZ";
    std::set<char> mySet;
    std::multiset<char> myMultiset;

    for (char c : myString) {
        if (c >= 'A' && c <= 'Z') {
            mySet.insert(c);
        } else if (c >= 'a' && c <= 'z') {
            myMultiset.insert(c);
        }
    }

    std::cout << "Kata harflar to'plami: ";
    for (char c : mySet) {
        std::cout << c << " ";
    }
    std::cout << std::endl;

    std::set<char> secondSet;
    for (char c : myMultiset) {
        if (secondSet.count(c) == 0) {
            secondSet.insert(c);
        }
    }

    std::cout << "Kichik harflar to'plamidan ikkinchi to'plam: ";
    for (char c : secondSet) {
        std::cout << c << " ";
    }
    std::cout << std::endl;

    return 0;
}
```

```

#include <iostream>
#include <string>
#include <set>

int main() {
    std::string myString = "AbcDefGHiJKlmnopQRStuvwxyZ"; // berilgan to'plam
    std::set<char> mySet; // kata harflar to'plami
    std::multiset<char> myMultiset; // kichik harflar to'plami

    for (char c : myString) { // to'plamdagi har bir elementni tekshirish
        if (c >= 'A' && c <= 'Z') { // agar element katta harf bo'lsa
            mySet.insert(c); // kata harflar to'plamiga qo'shib boramiz
        } else if (c >= 'a' && c <= 'z') { // agar element kichik harf bo'lsa
            myMultiset.insert(c); // kichik harflar to'plamiga qo'shib boramiz
        }
    }

    // Kata harflar to'plamini ekranga chiqaramiz
    std::cout << "Kata harflar to'plami: ";
    for (char c : mySet) {
        std::cout << c << " ";
    }
    std::cout << std::endl;

    // Kichik harflar to'plamidan ikkinchisini hosil qilamiz
    std::set<char> secondSet;
    for (char c : myMultiset) {
        if (secondSet.count(c) == 0) { // agar element hali ikkinchisini hosil qilmagan bo'lsa
            secondSet.insert(c); // ikkinchi to'plamga qo'shib boramiz
        }
    }

    // Ikkinchi to'plamni ekranga chiqaramiz
    std::cout << "Kichik harflar to'plamidan ikkinchi to'plam: ";
    for (char c : secondSet) {
        std::cout << c << " ";
    }
    std::cout << std::endl;

    return 0;
}

```

```

Kata harflar to'plami: A D G H J K Q R S Z
Kichik harflar to'plamidan ikkinchi to'plam: b c e f i l m n o p t u v w x y

```

GitHub repository: <https://github.com/murodjon-umar0v/TUIT-DASTURLASH-MT>