

## **23-24-AMALIY MASHG'ULOT. DASTURLASHDA FAYLLAR BILAN ISHLASH. IFSTREAM SINFI. FAYLLARGA OID DASTURLAR TUZISH**

### **DASTURLASHDA FAYLLAR BILAN ISHLASH. IOSTREAM SINFI. FAYLLARGA OID DASTURLAR TUZISH**

#### **FAYLNI O'QISH UCHUN OCHISH**

```
#include <iostream>
#include <fstream> // kutubxonani ulash
using namespace std;

int main()
{
    //input file stream
    ifstream file; // ifstream obyektining sinfini hosil qilish
    file.open("d:\\dasturmisol.txt"); // faylni ochish
}
```

#### **KONSTRUKTOR ORQALI**

```
#include <iostream>
#include <fstream> // kutubxonani ulash
using namespace std;

int main()
{
    ifstream file ("d:\\dastur\\dasturmisol.txt");
    // faylni konstruktorda ochish
}
```

#### **BOSHLANG'ICH MANBADAN IZLASH**

```
#include <iostream>
#include <fstream> // kutubxonani ulash
using namespace std;

int main()
{
    ifstream file ("dasturmisol.txt");
```

```
} // faylni konstruktorda ochish
```

## **FAYL OCHILGANINI TEKSHIRISH**

```
#include <iostream>
#include <fstream>
using namespace std;
```

```
int main()
{
    ifstream file ("d:\\dastur\\dasturmisol.txt");
```

```
    if (!file)
    {
        cout << "Fayl ochilmadi\n\n";
        return -1;
    }
    else
    {
        cout << "Fayl ochildi!\n\n";
        return 1;
    }
}
```

```
#include <iostream>
#include <fstream>
using namespace std;
```

```
int main()
{

    ifstream file ("d:\\dastur\\dasturmisol.txt");

    if (file.is_open()) // is_open() metodini chaqirish
        cout << "Fayl ochildi!" << endl;
    else
    {
        cout << "Fayl ochilmadi!" << endl;
        return -1;
    }
}
```

```
}
```

## **FAYLDAN MA'LUMOTNI O'QISH**

```
#include <iostream>
#include <fstream>
using namespace std;

int main()
{
    ifstream file("d:\\misol.txt");
    if(file)
    {
        double d;
        int i;
        char s[100];
        file >> d >> i >> s;
        cout<<d<<" "<<i<<" "<<s<<endl;
    }
    else
        cout<<"Fayl topilmadi";
}
```

## **MATNNI TO'LIQ O'QISH**

```
#include <iostream>
#include <fstream>
using namespace std;

int main()
{
    ifstream file("d:\\misol.txt");
    if(file)
    {
        string s;
        while(!file.eof())
        {
            file>>s;
            cout<<s<<" ";
        }
    }
}
```

```

    }
}
else
    cout<<"Fayl topilmadi";
}

```

## **MATNNI SATRMA SATR O'QISH**

```

#include <iostream>
#include <fstream>
using namespace std;
int main()
{
    ifstream file ("d:\\matn.txt");
    string s;
    getline(file, s);
    cout << s << endl;
    getline(file, s);
    cout<< s <<endl;
}

```

## **FAYLDAN N TA BELGINI O'QISH**

```

#include <iostream>
#include <fstream>
using namespace std;

int main()
{
    ifstream file ("d:\\matn.txt");
    int n = 10;
    //O'qish uchun bufer yaratish
    char A[n];
    //  buffer[n]=0;
    //n ta simvolni o'qish
    file.get(A,n);
    cout<<A<<endl;
    //Yoki birinchi bo'sh joygacha (probelgacha) o'qish
}

```

```
//      file.getline(A,n,' ');
//o'qilgan belgilarni chop etish
//      cout << A;

}
```

## **FAYLDAN KERAKLI POZITSIYASIDAN O'QISH**

```
#include <iostream>
#include <fstream>
using namespace std;
```

```
int main()
{

    ifstream file ("d:\\matn.txt");
    file.seekg(0, ios::end);
    string s;
    file>>s;
    cout<<s;

}
```

```
#include <iostream>
#include <fstream>
using namespace std;
```

```
int main()
{

    ifstream file ("d:\\matn.txt");
    file.seekg(0, ios::beg);
    string s;
    file>>s;
    cout<<s<<" ";
    file.seekg(0, ios::beg);
    file>>s;
    cout<<s<<endl;
```

```
}

#include <iostream>
#include <fstream>
using namespace std;

int main()
{

    ifstream file ("d:\\matn.txt");
    file.seekg(6, ios::cur);
    string s;
    file>>s;
    cout<<s<<" ";

}
```

## FAYLDA O'QILGAN BAYTLAR MIQDORI

```
#include <iostream>
#include <fstream>
using namespace std;

int main()
{

    ifstream file ("d:\\accounts.txt");
    string s;
    getline(file, s);
    cout<<"O'qilgan bayt: " <<file.tellg();
}
```

## FAYLGA YOZISH

```
#include <iostream>
#include <fstream>
using namespace std;
int main()
{
    ofstream file;

    // Fayl yaratish
    file.open("d:\\misolfayl.txt");

    // Ma'lumot qo'shish uchun ochish
    file.open("d:\\misolfayl.txt");
    return 0;
}
```

```
#include <iostream>
#include <fstream>
using namespace std;
int main()
{
```

```

// Fayl yaratish
ofstream file("d:\\misolfayl.txt");

// Ma'lumot qo'shish uchun ochish
ofstream file1("d:\\misolfayl.txt", ios_base::app);
return 0;
}

```

## FAYLGA YOZISH

```

#include <iostream>
#include <fstream>
using namespace std;
int main()
{
    ofstream file;
    // Fayl yaratish
    file.open("d:\\misolfayl.txt");

    // Satr yozish
    string s = "Salom dunyo";

    // Haqiqiy son
    double d = 123.456;
    file << s << endl << d << endl;

    return 0;
}

```

```

#include <iostream>
#include <fstream>
using namespace std;
int main()
{
    ofstream file;

    // Ma'lumot qo'shish uchun ochish
    file.open("d:\\sonlar.txt");
    if(file)

```



```

    {
        for(int i=0; i<100; i++)
            file<<i<<" ";
        cout<<"Fayl muvaffaqiyatli yozildi";
    }
else
    cout<<"Fayl mavjud emas";

return 0;
}

```

## TRIGONOMETRIK FUNKSIYA QIYMATLARINI JADVAL

```

#include <iostream>
#include <fstream>
#include <cstring>
#include <math.h>
using namespace std;
int main()
{
    ofstream file("d:\\misolfayl.txt");

    double d = 1; int i;

    for ( i = 0; i < 10; i++ ){
        d += sin(i/d);

        file.width(20);

        file << i;

        file.width(20);
        file.precision(5);

        file << d;
        file<<endl;
    }
    return 0;
}

```

