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//=====
// Compiler: MSL
// Project: TestIO
// Bestand: FileReadSync.h
// Implemen: FileReadSync.cp
//=====
```

```
#pragma once
```

```
int main();
```

```
bool Test();
```

```
bool Test(z2 invoer_refNum,
          z4 invoer_lengte);
```

```
bool Test(z2 invoer_refNum,
          z4 invoer_lengte,
          p_char buffer);
```

```
bool Lees(c_z4 lengte,
          r_ParamBlockRec pb);
```



```

                                invoerSpec);
if (err!=osErr_noErr)
{
    cout << "Pad van invoer is niet gevonden.";
    cout << endl;
    return false;
}

// 2. Open invoer.
z2 invoer_refNum;
err=Files::OSERR_FSpOpenDF(invoerSpec,
                            permission_rd,
                            invoer_refNum);

if (err!=osErr_noErr)
{
    cout << "Open data fork mislukt.";
    cout << endl;
    return false;
}

// 3. Zoek invoer lengte.
z4 invoer_lengte;
err=Files::OSERR_GetEOF(invoer_refNum,
                        invoer_lengte);

if (err!=osErr_noErr)
{
    cout << "Lees data fork lengte mislukt.";
    cout << endl;
    return false;
}

// 4. Test.
Test(invoer_refNum,
     invoer_lengte);

// 5. Sluit invoer.
err=Files::OSERR_FSClose(invoer_refNum);
if (err!=osErr_noErr)
{
    cout << "Sluit data fork mislukt.";
    cout << endl;
    return false;
}

return true;
```

```
}

bool Test(c_z2 invoer_refNum,
         c_z4 invoer_lengte)
{
    // 1. Maak buffer.
    p_char buffer;
    OSErr err=Memory::OSERR_NewPtr(buffer_grootte,
                                   buffer);

    if (err!=osErr_noErr)
    {
        cout << "Te weinig geheugen voor buffer.";
        cout << endl;
        return false;
    }

    // 2. Test.
    Test(invoer_refNum,
         invoer_lengte,
         buffer);

    // 3. Wis buffer.
    err=Memory::OSERR_DisposePtr(buffer);
    if (err!=osErr_noErr)
    {
        cout << "Wis buffer pointer mislukt.";
        cout << endl;
        return false;
    }

    return true;
}

bool Test(c_z2 invoer_refNum,
         c_z4 invoer_lengte,
         p_char buffer)
{
    ParamBlockRec pb;
    IOParam &in=pb.ioParam;
    Blok::Zero(sizeof(IOParam),
               &in);
    in.ioRefNum=invoer_refNum;
    in.ioBuffer=buffer;

    z4 aBlok;
```

```
    z4 overschot;
    aBlok=invoer_lengte/buffer_grootte;
    overschot=invoer_lengte-aBlok*buffer_grootte;

    while (aBlok)
    {
        if (!Lees(buffer_grootte,
                pb))
            {
                cout << "Lees blok mislukt.";
                cout << endl;
                return false;
            }
        aBlok--;
    }
    if (overschot)
    {
        if (!Lees(overschot,
                pb))
            {
                cout << "Lees blok mislukt.";
                cout << endl;
                return false;
            }
    }

    return true;
}

bool Lees(c_z4 lengte,
          r_ParamBlockRec pb)
{
    pb.ioParam.ioReqCount=lengte;
    c_OSErr err=Files::OSERR_PBReadSync(pb);
    if (err!=osErr_noErr)
        {
            cout << "Lezen mislukt.";
            cout << endl;
            return false;
        }
    return true;
}
```