
Subject: Re: Problem in reading binary file

Posted by on Wed, 27 Jun 2012 08:15:12 GMT

[View Forum Message](#) <> [Reply to Message](#)

Den onsdagen den 27:e juni 2012 kl. 09:48:41 UTC+2 skrev fada...@gmail.com:

> Dear all

> I have a problem to reading a binary file that has been written by Fortran program. how I can read the binary file from fortran program. I run this command and i got this error. please see it my problem and give me solution. I am appreciating in advance. please look the program.

> infile = 'C:/Users/fadaei/IDLWorkspace80/DEM.dat' ;Input file name

> IDL>

> IDL> OPENR, iunit, infile, /GET_LUN ;Open input file

> IDL>

> IDL> n = 0 ;Make n a LONG

> IDL> m = 0 ;Make m a LONG

> IDL> READU, iunit, n, m ;Read n and m

> IDL>

> IDL> i = LONARR(n, n, n) ;Create i array

> IDL> z = FLTARR(m, m) ;Create z array

> IDL> b = BYTARR(m, m) ;Create b array

> IDL> READU, iunit, i, z, b ;Read i, z, and b

> IDL>

> IDL> FREE_LUN, iunit ;Close output file

> IDL>

> IDL> HELP, n, m, i, z, b ;Print variable info

> IDL> PRINT, z[0:3,0:3] ;Print part of z

> % OPENR: Error opening file. Unit: 100, File: C:\Users\fadaei\IDLWorkspace80\DEM.dat

> The system cannot find the file specified.

> % Error occurred at: \$MAIN\$

> % Execution halted at: \$MAIN\$

> % READU: Variable is undefined: IUNIT.

> % Error occurred at: \$MAIN\$

> % Execution halted at: \$MAIN\$

> % Array dimensions must be greater than 0.

> % Error occurred at: \$MAIN\$

> % Execution halted at: \$MAIN\$

> % Array dimensions must be greater than 0.

> % Error occurred at: \$MAIN\$

> % Execution halted at: \$MAIN\$

> % Array dimensions must be greater than 0.

> % Error occurred at: \$MAIN\$

> % Execution halted at: \$MAIN\$

> % READU: Variable is undefined: IUNIT.

> % Error occurred at: \$MAIN\$

> % Execution halted at: \$MAIN\$

> % FREE_LUN: Variable is undefined: IUNIT.

> % Error occurred at: \$MAIN\$

> % Execution halted at: \$MAIN\$

```
> N      INT      =      0
> M      INT      =      0
> I      UNDEFINED = <Undefined>
> Z      UNDEFINED = <Undefined>
> B      UNDEFINED = <Undefined>
> % Variable is undefined: Z.
> % Error occurred at: $MAIN$
> % Execution halted at: $MAIN$
> best, Hadi
```

You may want to read the error messages. Start with the first one:

```
% OPENR: Error opening file. Unit: 100, File: C:\Users\fadaei\IDLWorkspace80\DEM.dat
The system cannot find the file specified.
```

Is the file you are trying to read actually called C:\Users\fadaei\IDLWorkspace80\DEM.dat?

Subject: Re: Problem in reading binary file
Posted by [hadi](#) on Wed, 27 Jun 2012 08:50:01 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Wednesday, June 27, 2012 5:15:12 PM UTC+9, Mats Löfdahl wrote:

```
> Den onsdagen den 27:e juni 2012 kl. 09:48:41 UTC+2 skrev fada...@gmail.com:
>> Dear all
>> I have a problem to reading a binary file that has been written by Fortran program. how I can
read the binary file from fortran program. I run this command and i got this error. please see it my
problem and give me solution. I am appreciating in advance. please look the program.
>> infile = 'C:/Users/fadaei/IDLWorkspace80/DEM.dat'      ;Input file name
>> IDL>
>> IDL> OPENR, iunit, infile, /GET_LUN      ;Open input file
>> IDL>
>> IDL> n = 0      ;Make n a LONG
>> IDL> m = 0      ;Make m a LONG
>> IDL> READU, iunit, n, m      ;Read n and m
>> IDL>
>> IDL> i = LONARR(n, n)      ;Create i array
>> IDL> z = FLTARR(m, m)      ;Create z array
>> IDL> b = BYTARR(m, m)      ;Create b array
>> IDL> READU, iunit, i, z, b      ;Read i, z, and b
>> IDL>
>> IDL> FREE_LUN, iunit      ;Close output file
>> IDL>
>> IDL> HELP, n, m, i, z, b      ;Print variable info
>> IDL> PRINT, z[0:3,0:3]      ;Print part of z
>> % OPENR: Error opening file. Unit: 100, File: C:\Users\fadaei\IDLWorkspace80\DEM.dat
>> The system cannot find the file specified.
>> % Error occurred at: $MAIN$
```

```

>> % Execution halted at: $MAIN$
>> % READU: Variable is undefined: IUNIT.
>> % Error occurred at: $MAIN$
>> % Execution halted at: $MAIN$
>> % Array dimensions must be greater than 0.
>> % Error occurred at: $MAIN$
>> % Execution halted at: $MAIN$
>> % Array dimensions must be greater than 0.
>> % Error occurred at: $MAIN$
>> % Execution halted at: $MAIN$
>> % Array dimensions must be greater than 0.
>> % Error occurred at: $MAIN$
>> % Execution halted at: $MAIN$
>> % READU: Variable is undefined: IUNIT.
>> % Error occurred at: $MAIN$
>> % Execution halted at: $MAIN$
>> % FREE_LUN: Variable is undefined: IUNIT.
>> % Error occurred at: $MAIN$
>> % Execution halted at: $MAIN$
>> N      INT      =      0
>> M      INT      =      0
>> I      UNDEFINED = <Undefined>
>> Z      UNDEFINED = <Undefined>
>> B      UNDEFINED = <Undefined>
>> % Variable is undefined: Z.
>> % Error occurred at: $MAIN$
>> % Execution halted at: $MAIN$
>> best, Hadi
>
> You may want to read the error messages. Start with the first one:
>
> % OPENR: Error opening file. Unit: 100, File: C:\Users\fadaei\IDLWorkspace80\DEM.dat
> The system cannot find the file specified.
>
> Is the file you are trying to read actually called C:\Users\fadaei\IDLWorkspace80\DEM.dat?

```

Dear Mats
yes thats right.exactly
Best Hadi

Subject: Re: Problem in reading binary file
 Posted by [Russell Ryan](#) on Wed, 27 Jun 2012 19:14:24 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Wednesday, June 27, 2012 3:48:41 AM UTC-4, fada...@gmail.com wrote:

```

> Dear all
> I have a problem to reading a binary file that has been written by Fortran program. how I can

```

read the binary file from fortran program. I run this command and i got this error. please see it my problem and give me solution. I am appreciating in advance. please look the program.

```
> infile = 'C:/Users/fadaei/IDLWorkspace80/DEM.dat'      ;Input file name
> IDL>
> IDL> OPENR, iunit, infile, /GET_LUN                  ;Open input file
> IDL>
> IDL> n = 0                                           ;Make n a LONG
> IDL> m = 0                                           ;Make m a LONG
> IDL> READU, iunit, n, m                             ;Read n and m
> IDL>
> IDL> i = LONARR(n, n, n)                            ;Create i array
> IDL> z = FLTARR(m, m)                               ;Create z array
> IDL> b = BYTARR(m, m)                               ;Create b array
> IDL> READU, iunit, i, z, b                         ;Read i, z, and b
> IDL>
> IDL> FREE_LUN, iunit                               ;Close output file
> IDL>
> IDL> HELP, n, m, i, z, b                           ;Print variable info
> IDL> PRINT, z[0:3,0:3]                             ;Print part of z
> % OPENR: Error opening file. Unit: 100, File: C:\Users\fadaei\IDLWorkspace80\DEM.dat
> The system cannot find the file specified.
> % Error occurred at: $MAIN$
> % Execution halted at: $MAIN$
> % READU: Variable is undefined: IUNIT.
> % Error occurred at: $MAIN$
> % Execution halted at: $MAIN$
> % Array dimensions must be greater than 0.
> % Error occurred at: $MAIN$
> % Execution halted at: $MAIN$
> % Array dimensions must be greater than 0.
> % Error occurred at: $MAIN$
> % Execution halted at: $MAIN$
> % Array dimensions must be greater than 0.
> % Error occurred at: $MAIN$
> % Execution halted at: $MAIN$
> % READU: Variable is undefined: IUNIT.
> % Error occurred at: $MAIN$
> % Execution halted at: $MAIN$
> % FREE_LUN: Variable is undefined: IUNIT.
> % Error occurred at: $MAIN$
> % Execution halted at: $MAIN$
> N          INT      =      0
> M          INT      =      0
> I          UNDEFINED = <Undefined>
> Z          UNDEFINED = <Undefined>
> B          UNDEFINED = <Undefined>
> % Variable is undefined: Z.
> % Error occurred at: $MAIN$
```

> % Execution halted at: \$MAIN\$
> best, Hadi

The first error is the only one that matters. The error is that the file
C:\Users\fadaei\IDLWorkspace80\DEM.dat does not exist. You have the path and/or the name of
the file incorrect.
