Betriebsysteme - myfind

1.0.0

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File myfind.c

Solve Path Problems for lstat

- Stop Recursion
- Find solution for passing arguments
- Concept for Syscalls/library functions for actions

Chapter 2

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2.1 File List

Here is a list of all documented files with brief descriptions:

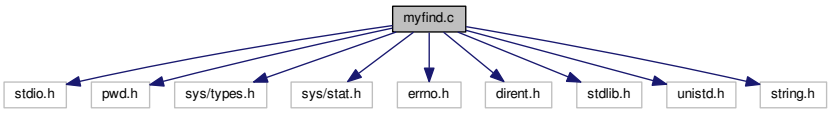
Chapter 3

File Documentation

3.1 myfind.c File Reference

```
#include <stdio.h>
#include <pwd.h>
#include <sys/types.h>
#include <sys/stat.h>
#include <errno.h>
#include <dirent.h>
#include <stdlib.h>
#include <unistd.h>
#include <string.h>
```

Include dependency graph for myfind.c:



Functions

- void do_file (const char *file_name, const char *const *parms)

  Check the given file.
- void do_dir (const char *dir_name, const char *const *parms)

  iterate over all files starting at current working directory
- int main (int argc, const char *const argv[])

  Main entry point of program.

Variables

- int parms_count

3.1.1 Detailed Description

Main module of myfind

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Todo

- Solve Path Problems for lstat
- Stop Recursion
- Find solution for passing arguments
- Concept for Syscalls/library functions for actions

URL: $HeadURL$

Last Modified: $Author$

Definition in file myfind.c.

3.1.2 Function Documentation

3.1.2.1 void do_dir (const char * *dir_name*, const char *const * *parms*)

iterate over all files starting at current working directory

This function iterates over all files. Printf filename and passing each file of the the directory to do_find

Parameters

dir_name	Name of directory. It should be called first with the current directory "."
parms	Pointer to the passed arguments

Returns

None

Note

$Author$ do not know how to handle recursion and pass correct path for do_find

Definition at line 69 of file myfind.c.

References do_file().

Referenced by do_file(), and main().

3.1.2.2 void do_file (const char * *file_name*, const char *const * *parms*)

Check the given file.

This function checks the given file with lstat

Parameters

file_name	Name of the file (could be directory as well)
parms	Pointer to the passed arguments

Returns

None

Note

None

Definition at line 115 of file myfind.c.

References do_dir().

Referenced by do_dir().

3.1.2.3 int main (int *argc,* const char ∗const *argv[]*)

Main entry point of program.

This function is the main entry point of the program.

Parameters

argc	Number of command line arguments. (IN)
argv	Array of command line arguments. (IN)

Returns

The function returns whether or not the program executed successfully.

Return values

0	Successful program termination
1	Failed program termination

Definition at line 148 of file myfind.c.

References do_dir(), and parms_count.

3.1.3 Variable Documentation

3.1.3.1 int parms_count

Integer number of parameters

Definition at line 45 of file myfind.c.

Referenced by main().

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