

Screen shots for Project 2:

Server used: CYGWIN - UNIX API emulator

File name: fsaccess.c

Output: fsaccess

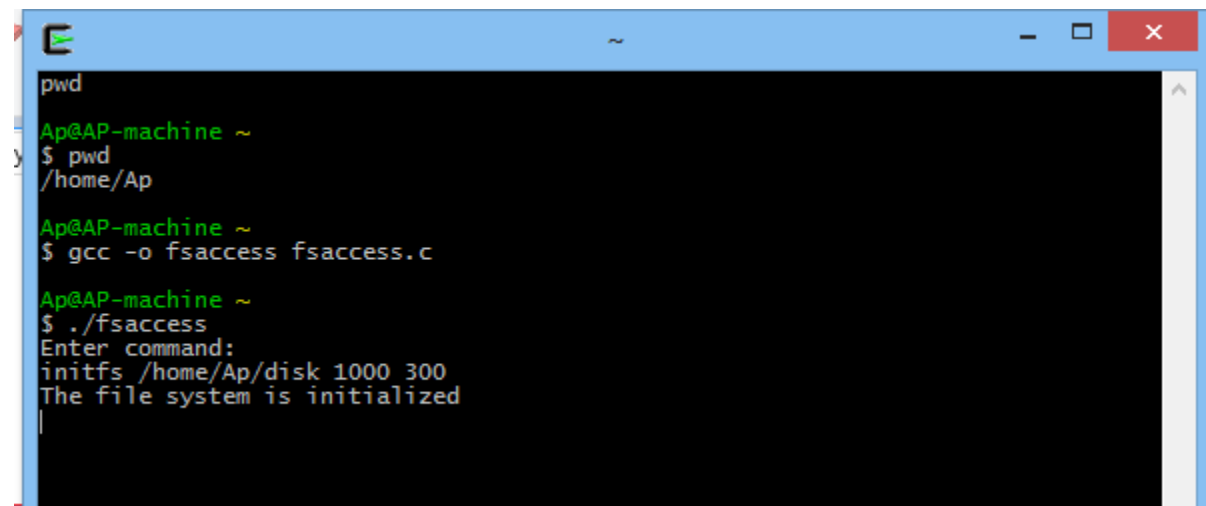
Files used for testing:

External large file name: read.txt (79 KB)

External small file name: read1.txt (6 KB)

-----SCREEN SHOTS FOR SUPPORTED COMMANDS-----

INITFS COMMAND:



```
pwd
Ap@AP-machine ~
$ pwd
/home/Ap
Ap@AP-machine ~
$ gcc -o fsaccess fsaccess.c
Ap@AP-machine ~
$ ./fsaccess
Enter command:
initfs /home/Ap/disk 1000 300
The file system is initialized
|
```

This PC > Windows8_OS (C:) > cygwin64 > home > Ap				Search Ap
Name	Date modified	Type	Size	
hash	11/6/2013 12:39 AM	File folder		
.bash_history	12/3/2013 1:41 PM	BASH_HISTORY File	10 KB	
.bash_profile	11/5/2013 11:55 PM	BASH_PROFILE File	2 KB	
.bashrc	11/5/2013 11:55 PM	BASHRC File	6 KB	
.inputrc	11/5/2013 11:55 PM	INPUTRC File	2 KB	
.profile	11/5/2013 11:55 PM	PROFILE File	2 KB	
disk	12/3/2013 6:21 PM	File	2,044 KB	
fsaccess.c	12/3/2013 6:17 PM	C File	27 KB	
fsaccess.exe	12/3/2013 6:18 PM	Application	76 KB	

MKDIR COMMAND:

```

Ap@AP-machine ~
$ pwd
/home/Ap

Ap@AP-machine ~
$ gcc -o fsaccess fsaccess.c

Ap@AP-machine ~
$ ./fsaccess
Enter command:
initfs /home/Ap/disk 1000 300
The file system is initialized
mkdir v6-dir

Directory created
mkdir v6-dir
Cannot create directory.The directory name already exists.

```

CPIN COMMAND:

- Large file copy:

```
Ap@AP-machine ~  
$ pwd  
/home/Ap  
  
Ap@AP-machine ~  
$ gcc -o fsaccess fsaccess.c  
  
Ap@AP-machine ~  
$ ./fsaccess  
Enter command:  
initfs /home/Ap/disk 1000 300  
The file system is initialized  
mkdir v6-dir  
  
Directory created  
mkdir v6-dir  
Cannot create directory.The directory name already exists.  
cpin /home/Ap/read.txt v6-file  
Large File copied  
File size = 80210 bytes
```

- Small file copy:

```
Ap@AP-machine ~  
$ pwd  
/home/Ap  
  
Ap@AP-machine ~  
$ gcc -o fsaccess fsaccess.c  
  
Ap@AP-machine ~  
$ ./fsaccess  
Enter command:  
initfs /home/Ap/disk 1000 300  
The file system is initialized  
mkdir v6-dir  
  
Directory created  
mkdir v6-dir  
Cannot create directory.The directory name already exists.  
cpin /home/Ap/read.txt v6-file  
Large File copied  
File size = 80210 bytes  
cpin /home/Ap/read1.txt v6-file2  
Small file copied  
File size = 5349 bytes
```

CPOUT COMMAND:

- Large file copy

```
Ap@AP-machine ~
$ gcc -o fsaccess fsaccess.c

Ap@AP-machine ~
$ ./fsaccess
Enter command:
initfs /home/Ap/disk 1000 300
The file system is initialized
mkdir v6-dir

Directory created
mkdir v6-dir
Cannot create directory.The directory name already exists.
cpin /home/Ap/read.txt v6-file
Large File copied
File size = 80210 bytes
cpin /home/Ap/read1.txt v6-file2
Small file copied
File size = 5349 bytes
cpout v6-file /home/Ap/largefile
file size = 80210
Contents were transferred to external file
```

This PC > Windows8_OS (C:) > cygwin64 > home > Ap					Search Ap
Name	Date modified	Type	Size		
hash	11/6/2013 12:39 AM	File folder			
.bash_history	12/3/2013 1:41 PM	BASH_HISTORY File	10 KB		
.bash_profile	11/5/2013 11:55 PM	BASH_PROFILE File	2 KB		
.bashrc	11/5/2013 11:55 PM	BASHRC File	6 KB		
.inputrc	11/5/2013 11:55 PM	INPUTRC File	2 KB		
.profile	11/5/2013 11:55 PM	PROFILE File	2 KB		
disk	12/3/2013 6:21 PM	File	2,044 KB		
fsaccess.c	12/3/2013 6:17 PM	C File	27 KB		
fsaccess.exe	12/3/2013 6:18 PM	Application	76 KB		
largefile	12/3/2013 6:21 PM	File	79 KB		
read.txt	12/3/2013 9:45 AM	Text Document	79 KB		
read1.txt	12/1/2013 4:45 PM	Text Document	6 KB		

- Small file copy

```
Enter command:
initfs /home/Ap/disk 1000 300
The file system is initialized
mkdir v6-dir

Directory created
mkdir v6-dir
Cannot create directory.The directory name already exists.
cpin /home/Ap/read.txt v6-file
Large File copied
File size = 80210 bytes
cpin /home/Ap/read1.txt v6-file2
Small file copied
File size = 5349 bytes
cpout v6-file /home/Ap/largefile
file size = 80210
Contents were transferred to external file
cpout v6-file2 /home/Ap/smallfile
file size = 5349
Contents were transferred to external file
q

Ap@AP-machine ~
$
```

This PC > Windows8_OS (C:) > cygwin64 > home > Ap					Search Ap
Name	Date modified	Type	Size		
hash	11/6/2013 12:39 AM	File folder			
.bash_history	12/3/2013 1:41 PM	BASH_HISTORY File	10 KB		
.bash_profile	11/5/2013 11:55 PM	BASH_PROFILE File	2 KB		
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.inputrc	11/5/2013 11:55 PM	INPUTRC File	2 KB		
.profile	11/5/2013 11:55 PM	PROFILE File	2 KB		
disk	12/3/2013 6:21 PM	File	2,044 KB		
fsaccess.c	12/3/2013 6:17 PM	C File	27 KB		
fsaccess.exe	12/3/2013 6:18 PM	Application	76 KB		
largefile	12/3/2013 6:21 PM	File	79 KB		
read.txt	12/3/2013 9:45 AM	Text Document	79 KB		
read1.txt	12/1/2013 4:45 PM	Text Document	6 KB		
smallfile	12/3/2013 6:21 PM	File	6 KB		

Q COMMAND:

Quit and save :

If the file system with same name exists, the file system that already exists will be used.

Note that v6-file and v6-file2 created before using cpin command still exists and so we could do cpout on it.

```
Ap@AP-machine ~  
$ ./fsaccess  
Enter command:  
initfs /home/Ap/disk 1000 300  
filesystem already exists and the same will be used.  
cpout v6-file /home/Ap/largefile2  
file size = 80210  
Contents were transferred to external file  
cpout v6-file2 /home/Ap/smallfile2  
file size = 5349  
Contents were transferred to external file  
q
```

This PC > Windows8_OS (C:) > cygwin64 > home > Ap				
	Name	Date modified	Type	Size
	hash	11/6/2013 12:39 AM	File folder	
	.bash_history	12/3/2013 1:41 PM	BASH_HISTORY File	10 KB
	.bash_profile	11/5/2013 11:55 PM	BASH_PROFILE File	2 KB
	.bashrc	11/5/2013 11:55 PM	BASHRC File	6 KB
	.inputrc	11/5/2013 11:55 PM	INPUTRC File	2 KB
	.profile	11/5/2013 11:55 PM	PROFILE File	2 KB
	disk	12/3/2013 7:54 PM	File	2,044 KB
	fsaccess.c	12/3/2013 7:49 PM	C File	27 KB
	fsaccess.exe	12/3/2013 7:49 PM	Application	77 KB
	fsaccess.exe.stackdump	12/3/2013 7:35 PM	STACKDUMP File	2 KB
	largefile	12/3/2013 7:53 PM	File	79 KB
	largefile2	12/3/2013 7:54 PM	File	79 KB
	read.txt	12/3/2013 9:45 AM	Text Document	79 KB
	read1.txt	12/1/2013 4:45 PM	Text Document	6 KB
	smallfile	12/3/2013 7:53 PM	File	6 KB
	smallfile2	12/3/2013 7:54 PM	File	6 KB