Write a program to copy contents of one file to another file using system calls

#include<stdio.h>

#include<unistd.h>

#include<fcntl.h>

void typefile(char \*tae)

{

int fd,nread;

char buf[1024];

fd=open(tae,O\_RDONLY);

if(fd==-1)

{

perror(tae);

}

while((nread=read(fd,buf,sizeof(buf)))>0)

write(1,buf,nread);

close(fd);

}

int main(int argc,char \*\*argv)

{

int argno;

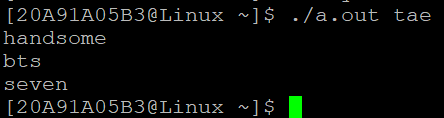
for(argno=1;argno<argc;argno++)

typefile(argv[argno]);

return 0;

}

OUTPUT:



Write a program to emaluate the unix ls-1 command

#include<stdio.h>

#include<unistd.h>

#include<sys/types.h>

#include<stdlib.h>

void main()

{

int pid;

pid=fork();

if(pid<0)

{

printf("fork failed");

exit(0);

}

else if(pid==0)

{

execlp("/bin/ls","ls","-l",NULL);

}

else

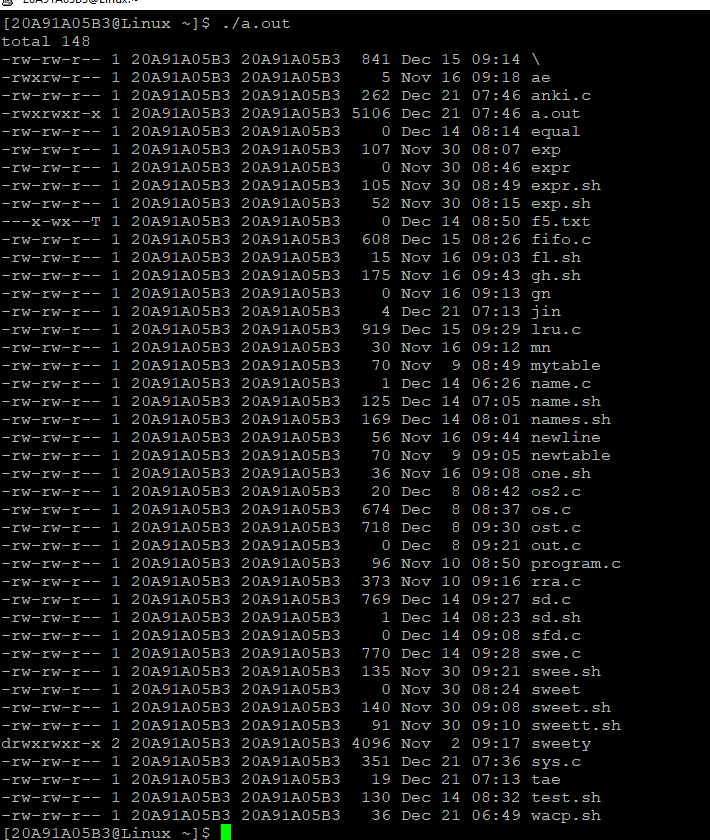
{

wait(NULL);

printf("child complete");

}

}

OUTPUT:

Write a program to illustrate how to execute two commands with a command pipe

#include<stdio.h>

#include<unistd.h>

#include<sys/types.h>

#include<stdlib.h>

void main()

{

int x[2];

char buf[30];

if(pipe(x)==-1)

{

perror("pipe failed");

exit(1);

}

if(!fork())

{

dup(x[1]);

system("ls -l");

}

else

printf("parent reading from pipe");

while(read(x[0],buf,80))

printf("%s",buf);}

