Assignment 0: Dog Design Doc eingenan

1) Goals

The goal of this assignment is to mimic the functionality of the 'cat' in the linux system with my own C++

Program called dog. But, my program will not support any flags.

2) Design

Part 1: Function main

- 10) First, we must check whether our user inputted...

 less than 2 args. If true, we will just read from

 STOTN and write it bock to the STDOUT and be done.

 if (argc < 2) {

 print_func (STDIN, STDOUT);
- 16) If there are >2 args, then we must 100p through them all in order. This can be done with a simple for 100p.

for (int i = 1; i c arge ; ++;);

Ic) Once in the for 100p, we must check if the file name is equal to (-).

if (*argu[i] == (-)){

11 read from STDIN and write to STDOUT

and if it returns -1, we know an error occurred and we need to coll warn (). Else, we can call our print function and then close the file.

Part 2: print function 1) The print function will take two arguments the in file descriptor and out file descriptor 2) The function will the allocate a buffer for reading and writing. 3) While the read is greater than O , meaning It was bytes to read, we must write the same bytes to the stdout. Put this inside a variable. In code: while (vor= Cread (infiledescribior, &buffer, buffer size >>0) { write Coutair descriptor, Ebutter, var);