


- [See read_example.c file]

```
wordfind cow
argv[0] = "wordfind"
argv[1] = "cow"
```

- Supplied to main as a pair:
int main (int argc, char** argv) or
int main(int argc, char* argv[])
argc = \# of parameters
argv [ ] = an array containing the parameters as strings
argv [0] is the program name


## fgets \& stdin

## Example:

fgets (dest, 10, stdin)

- dest is the address of an array of length at least 10 chars
- 10 is $<=$ size of the array dest. At most 9 chars will be read and then a ' 10 ' char will be added on.
- stdin is the stream that input should be read from
- stops reading when the first ' n ' is encountered
- 'In' is included in the string
- Returns NULL on end of file or error


## General:

fgets (char* dest, int n, FILE *in)

## fputs \& stdout

Examples:
fputs (src, stdout)
fputs ("Hello World", stdout)

- src is the address of an array of chars
- stdout is the stream that input should be written to
- The stream stdout is printed to the screen by default (although you can re-direct it with > )

General:
fputs (char* source, FILE *out)


## Structs

- A struct is a record. (similar to a Java object with no methods.)
» $x . f$ is for field access.
» (*x).f in C is like x.f in Java.
» $\mathrm{x}->\mathrm{f}$ is an abbreviation for (*x).f.
- There is a huge difference between passing a struct and passing a pointer to a struct.
- (see struct example code)

