Input output sting pointers

The standard i/o

* input - feed data to program
* Output- display data

Cont’d

* GET
* Stderr used to tell you that something is going wrong, need those warning messages
* fprintf(stderr, “cant open %s\n”, argv[1]);

Redirecting standard i/o streams

* GET

String based input from stdin

* Dont use char\* gets(char \*s) doesn’t end string

String based output to stdout

* Use int puts(char \*s)
* All strings end w/ new line

String-based input from Files

* To get string from file use char\* fgets(char \*s,int max, FILE \*fp)
* String-based output from Files
* Get
* Recollection of strings
* GET

String and Pointer arithmetic

* char a[10]
* A[1] type = char
* \*a[1] type = char \*
* Px = a[0] == \*px = a
* &a[0] =a , a[0] = \*a, &a[i] = a+i, a[i] = \*(a+i)
* Cant do a++; a = px
* GET
* Instructions
* Get rest of slide
* Run programs at exampe: computing the length of a string w/o ‘\0’ char character
* Make array parameters pointers in functions as const

Copying a string

* GET
* Array ends becuase it gets to \0 and returns false, ending array