

PROGRAM TERMINATION

exit and return



EXIT STATUS

- Whenever a program terminates (stops running or ends its execution), it returns an integer, called the exit status, to the operating system
 - 0 normal, non-error exit
 - non-0 some error was detected (no correlation between status and error)



return

- The return statement causes a function to return to the function caller
 - Can only be used to end a program when called from main
 - main returns to the operating system; which can use the status in scripts & batch files
 - return 0; returns a 0, non-error, status to the operating system



OLD ANSI STANDARD

- Standard allowed two version of main:
 - void main
 - int main
 - Standard changed mid 1990's

```
void main()
{
     .
     .
}
```



exit

• Use the exit function to terminate a program from any location: