Team
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Purpose
The purpose of this assignment is to create a working command line shell program.

Available Resources
We are given the following template code:
- lex.c
- hex.c

Design
Requirement 1
- call exit

Requirement 2
- create child process
- child runs command
- parent waits for child to finish
- if return val==-1, print error msg via perror and exit(-1)
- if command is unrecognized, do not print any message

Requirement 3
- create child process
- child runs command with arguments
- parent waits for child to exit

Requirement 4
- create child process
- child runs command with arguments
- parent does NOT wait for child to exit
- deal with zombies using a handler

Requirement 5
- create child process
- write output to file using freopen()
- parent waits for child to exit

Requirement 6
- create child process
- overwrite stdin to be file via freopen()
- parent waits for child to exit

Testing

We will create a Makefile with a ``make test4'' command.