

## 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==abnormal, print error msg

### *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

### *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 test' command.