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# My Mastermind

Subject

1 Solution

Additional Resources

(1)

## My Mastermind

Technical details

Submit files

Makefile - \*.c - \*.h

### SPECIFICATIONS

Write a program called mastermind; it will be an implementation of the famous game.

### NAME

my\_mastermind

### SYNOPSIS

my\_mastermind [-ct]

### Control Center



Group formation



Progress



Submitted



Peer review



Finished: approved



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Access:

READ

WRITE



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[Keep Working On This Solution](#)

## DESCRIPTION

Mastermind is a game composed of 8 pieces of different colors.

A secret code is then composed of 4 distinct pieces.

The player has 10 attempts to find the secret code.

After each input, the game indicates to the player the number of well placed pieces and the number of misplaced pieces.

Pieces will be '0' '1' '2' '3' '4' '5' '6' '7'.

If the player finds the code, he wins, and the game stops.

A misplaced piece is a piece that is present in the secret code but that is not in a good position.

You must read the player's input from the standard input.

Your program will also receive the following parameters:

-c [CODE]: specifies the secret code. If no code is specified, a random code will be generated.

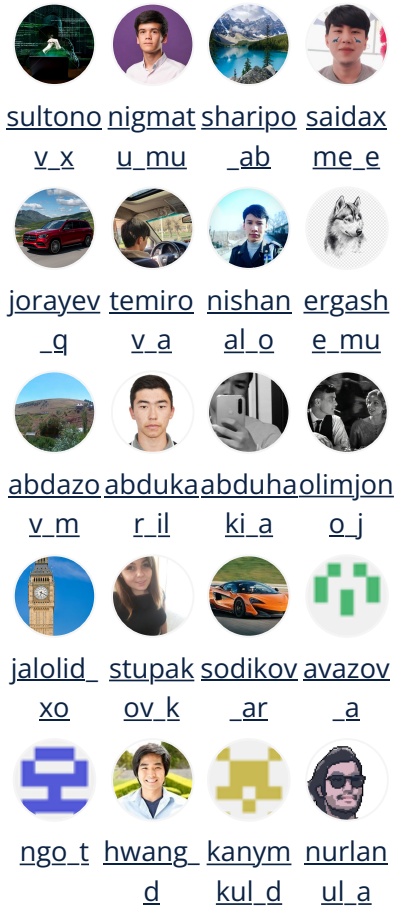
-t [ATTEMPTS]: specifies the number of attempts; by default, the player has 10 attempts.

### Example 00

```
PROMPT>./my_mastermind -c "0123"
Will you find the secret code?
---
Round 0
>1456
Well placed pieces: 0
Misplaced pieces: 1
---
Round 1
>tata
Wrong input!
>4132
Well placed pieces: 1
Misplaced pieces: 2
---
Round 2
>0123
Congratz! You did it!
```

## Technical information

### Also working on the project



### Just finished



1. you must create a Makefile, and the output is the command itself
2. You can use:  
  
`printf(3)`  
`write(2)`  
`read(2)`  
`rand() (/ srand())`  
`time()`  
`atoi()`
3. You can NOT use:  
  
Any functions/syscalls which does not appear in the previous list  
Yes, it includes **exit**
4. Consider writing a README.md to describe your project and how it works.

## Requirements

Your code must be compiled with the flags **-Wall -Wextra -Werror**.

## Hint(s)

`man 2 read`  
`man rand`

  
[abdulla](#) [xolisov](#) [oribjon](#) [umarb](#)  
[y\\_b](#) [a\\_d](#) [o\\_a](#) [aye\\_x](#)  
  
[nishan](#) [muhid](#) [tanasie](#)  
[al\\_o](#) [din\\_a](#) [n\\_t](#)

Type

Project

Group  
Size

1  
Participant

Review  
system

Peer Review

Difficult  
y

Initiation

Average  
duration

1  
Week

## Project's Metadata

Project

id: 348

name: my\_mastermind

visible: True

