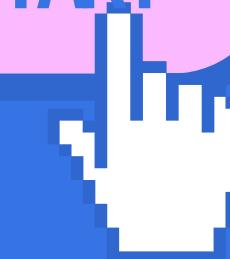


GUESS THE SECRET CODE

LET'S START



LET'S START



2 HOW TO PLAY

We can explain!

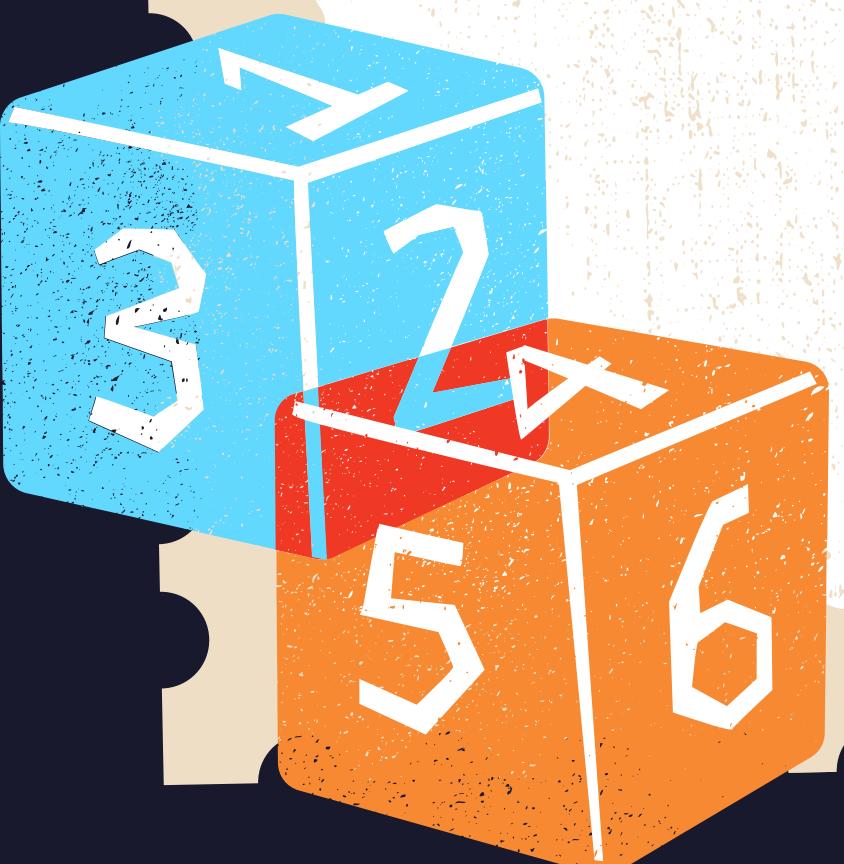
THE PLAYER HAS TO GUESS A 3-DIGIT SECRET CODE.

AFTER EACH GUESS, THEY'LL BE TOLD:

- HOW MANY DIGITS ARE CORRECT AND IN THE CORRECT PLACE.
- HOW MANY DIGITS ARE CORRECT BUT IN THE WRONG PLACE.

START GAME

1. Computer generate a random 3-digit secret code (each digit 0-9, can repeat).
2. Initialize a guess counter.
3. LOOP: Ask the player to guess the 3-digit code via prompt().
 - a. Validate the guess (3 digits, numeric).
 - b. Convert guess and code to arrays of digits.
 - c. Check for:
 - Correct digits in the correct place.
 - Correct digits in the wrong place.
 - d. Show feedback using alert().
 - e. If all 3 digits are correct and in the correct place → **PLAYER WINS**, exit loop.
 - f. Else → increment guess counter.
4. End the game with success or after max tries (e.g., 10 attempts).



SO... WHAT'S ABOUT PSEUDOCODE?

WE THOUGHT EXPLAINING IT IN DETAIL MIGHT TAKE TOO MUCH TIME, SO INSTEAD WE'LL SHARE A PRESENTATION IN THE SLACK – THAT WAY YOU'LL BE ABLE TO CHECK IT OUT THERE!



```
BEGIN GAME  
    GENERATE a random 3-digit secret code (digits 0-9, can repeat)  
    SET attempts to 0  
    SET maxAttempts to 10  
  
    DISPLAY welcome message  
  
    WHILE attempts < maxAttempts DO  
        PROMPT user to enter a 3-digit number as a guess  
  
        IF guess is invalid (not 3 digits or not numeric)  
            DISPLAY error message  
            CONTINUE to next attempt  
  
        COMPARE guess to secret code:  
            FOR each digit at the same position  
                IF digit matches  
                    INCREMENT correctPosition  
                    MARK both digits as checked
```

PSEUDOCODE (PART 1)



PSEUDOCODE (PART 2)

```
FOR each unchecked digit in guess
    IF digit exists elsewhere in secret code
        INCREMENT correctDigitWrongPosition
        MARK matched digit in secret as checked

    DISPLAY number of correct digits in correct position
    DISPLAY number of correct digits in wrong position

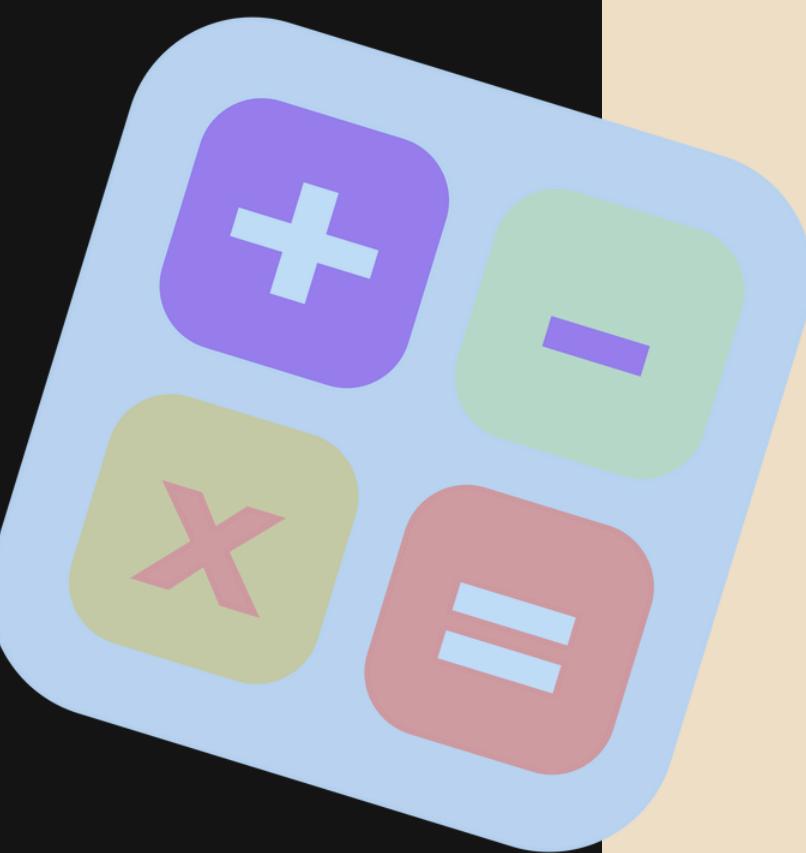
    IF correctPosition is 3
        DISPLAY success message
        END GAME

    INCREMENT attempts

END WHILE

IF attempts = maxAttempts
    DISPLAY failure message with correct code

END GAME
```





ARE YOU

READY?

LET'S PLAY

