



## Procedure: Play Game

### Local Variables:

- \* My Num, Guess Num (Integer)
- \* Got It (Boolean)

### Steps:

- 1: Assign My Num, a Random number between 1 and MAX\_NUMBER
- 2: Assign to Guess Num, the value 0
- 3: Output 'I am thinking of a number... 1 and ', and MAX\_NUMBER
- 4: Repeat
- 5:   Increase Guess Num by 1
- 6:   Assign Got It, Perform Guess (Guess Num, My Num)
- 7: Until Guess Num >= MAX\_GUESSES or Got It
- (\* While Guess Number < MAX\_GUESSES and not Got It \*)
- 8: If Not Got It then
- 9:   Output 'You ran out of guesses... ', and My Num

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Condition is false, so the body will be repeated again

### Play Game

my num:

guess num:

got it:

Instruction:

...

Instruction:



Terminal — bash — 80x24

I am think of a number ...  
Guess 1: 50  
The number is less than 50  
Guess 2: 25  
The number is larger than 25

