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2/13/2017
GuessNumber

iostream
cstdlib
ctime
cmath
Namespace std

no user libraries

Constants -
None to declare

Function Prototypes

Start Main

targetNum
highestNum
plGuess
tenPower
max guesses
guess counter
bool goGuess =
false

A

A

Input Tenpower

Tenpower<1
Tenpower>9

B

FALSE

maxRand=pow(10,tenpower)
guessNm=rand()%maxNum+1
maxGues=log2(maxNum)+1

Output
Guess the number between
1 and maxRand
You have maxGuess

C

B

Output Invalid input
Input power of ten

A

C

goGuess&&
(guesCnt<maxGues)

FALSE

D

Input plGuess

guesCnt++

guesCnt =
maxGues

TRUE

FALSE

output
Last Guess!

plGuess ==
guessNm

goGuess=true

output:
You Got it!

C

plGuess >
guessNm

TRUE

output
Guess Too High

plGuess <
guessNm

TRUE

Output
Guess Too Low

Output
Something Wrong
Somewhere