**

*TAKE HOME FINAL EXAM (THFE)*

*(SPrıng 2020)*

STUDENT

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#include <stdio.h>

#include <stdlib.h>

#include <time.h>

#include <stdbool.h>

int main() {

srand(time(NULL));

int randomNumber = rand() % 1000 + 1;

bool correct = false;

int guess;

printf("I have a number between 1 and 1000.\n");

printf("Can you guess my number?\n");

printf("Please type your first guess.\n");

while(!correct)

{

scanf("%d", &guess);

getchar();

if (guess < randomNumber) {

printf("too low. Try again.\n");

}

else if (guess > randomNumber) {

printf("too high. Try again.\n");

}

else {

printf("Excellent! You guessed the number!");

printf("\nWould you like to play again (y or n)?\n");

correct = true;

}

}

return 0;

}