Problem	Description	Sample I/O
Create a program to generate random password in C	Password must be included at least one **capital letters, small letters, numbers, special characters.** Password length **N (N >= 6)** will be given. The task is to generate a random password of length **N** with the mentioned condition.	**Input**: N = 8 **Output**: Password = a#D2Wa@m
A program to generate Pythagorean Triplets in C	A Pythagorean triplet is a set of three positive integers **a, b** and **c** such that $a^2 + b^2 = c^2$. The program asks the user to enter the initial and final points for the range in which the program searches for integers that qualify as Pythagorean Triplets. The program then prints all such triplets found within the given range.	**Input**: Initial: 5, Final: 20 **Output**: 5 , 12 , 13 6 , 8 , 10 8 , 15 , 17 9 , 12 , 15 12 , 16 , 20
Create a game to guess the randomly generated number.	An integer number will be randomly generated in the range **[A, B],** which will be unknown to the player. The task is to guess the number within **10 tries**. In each try, the program will show **"High"** if the guessed number is greater than the generated random number otherwise, it will show **"Low".** If the player guesses right, then show **"Congratulations! You guessed the number!"** and his score will be **10 - no of tries+1**. If the player fails to guess, then show **"Sorry, you ran out of tries. The number was {number}"**	**Input:** A = 1 B = 100 **Output:** Guess: 52 Low Guess: 92 High Guess: 83 Congratulations! You guessed the number! Your Score = 8
Write a program to display the prime number pairs whose sum is equal to a positive even number.	Any even number greater than 2 can be expressed as a sum of two primes. Given **an even number (greater than 2**), print all pairs of prime numbers whose sum will be equal to given number. There may be several combinations possible.	**Input:** N = 24 **Output:** 5 19 7 17 11 13

Submission time: Final Exam