Bonus Readme: Input/Output, Algorithm/Data Structure

Keyboard

Screen

User Input (cin):
totalitemsUser
chosenitemsUser

PROGRAM

Output To Screen (cout):
Combination
combination;
combination1.display()

Output To Screen (cout):
Permutation
permutation;
permutation1.display()

Algorithm(Recursion):
Numbers.factorial(int number){
ff ((number == 0) ||(number == 1))
    return 1;
else
    return number*factorial(number-1);

Output To Screen (cout):
Numbers1.faultchecking
Error Checking

Numbers

-totalitems: int
-chosenitems: int
-number: int

+Numbers()
+getTotalItems()
+setTotalItems()
+getChosenItems()
+setChosenItems()
+GetNumber()
+setNumber()
+Factorital()
+Faultchecking()

Combination

-totalitems: int
-chosenitems: int
-combinationresult: int

+Combination()
+getTotalItems()
+setTotalItems()
+getChosenItems()
+setChosenItems()
+display()

Permutation

-totalitems: int
-chosenitems: int
-permutationresult: int

+Permutation()
+getTotalItems()
+setTotalItems()
+getChosenItems()
+setChosenItems()
+display()