

- 1- Write a program that gets two numerical inputs, computes an array with Fibonacci sequence, and draws them in a graph.
 - First input: number of sentences.
 - Second input: Maximum sum of sentences or limit sum of sentences.
- 2- Develop a program in a new vi for at least 10 students.
 - Use proper input for students' names. After computing the averages, your program must give the name of 3 students with a high score and 3 students with a low score.
 - Use one LED for each student, and if his/her average is greater than 17, the LED must be green; if $12 < \text{average} < 17$, then the LED must be yellow, if $\text{average} < 12$, then the LED must be red.
- 3- You are responsible for setting up a pay station at a movie theater. You sell the following items according to the following prices.

	Small	Medium	Large
	Pizza		
Plain	8	10	12
Vegetarian	8.8	11	13.2
Pepperoni	9.6	12	14.4
	Ice Cream		
Cone	3.2	4	4.8
Shake	4	5	6
Sundae	4.8	6	7.2
	Snack		
Candy Bar	0.8	1	1.2
Soda	1.6	2	2.4
Popcorn	2.4	3	3.6

- 4- A customer can order as many items as they want, and you need to calculate a total price. You will have 3 inputs an object: (Pizza, Ice Cream...), variety: (Plain, Vegetarian...), and size: (Small, Medium...). The user will have a combo box to select these different options. Then, add up each item to the final list; after that, the cost and total items must be displayed and written in the text file.
 - To add items to the final list, you need a button.
 - To write the items and price, you must use a button.
 - You can use the Item, Variety, and Size: Array of Combo Boxes for made the menu and structure of your program.
 - For this program, create an exe file.

Add inputs that will allow the user to:

- Change and choose the text file name and directory.

Note:

- Please pay attention to the deadline of your homework.
- Each above question must be in a separate .vi.
- Please put all .vi files, and result in a zip file.
- Name your file in this way: student name_student number_HW#.
- There are many ways to write those programs. So your result and program performance is important.