Project:	Implement the Instruction Set Architecture that you defined in project p02. Write an interpreter for the ISA. Employ your interpreter to execute the two New Architecture programs that you created in project p02.

Deliverables:	You have two deliverables:
	1. An interpreter that executes a program that conforms to the ISA defined in project p02.
	2. A document containing all the source for your interpreter.
	2.1. **Name**: The document is named CRN-*author1*-*author2*-**p03.docx**. For example, if the team consisting of Ms. Fiona **Faultless** and Ms. Petunia **Perfect,** enrolled in section CRN **11068**, submits project p03, the file name of their document would be **11068-Faultless-Perfect-p03.docx**. The team must attach their document to the note sent to your instructor. Please employ the template, http://cs2.uco.edu/~trt/cs3833/p03Template.docx to document your interpreter.
	2.2. **Files Names**: Store all of the source files that are required to create the executable in a folder called **p03**. Call your executable **mex**. If you have a single source file, call the source file **mex.cpp** and if you have a single include file call the include file **mex.h**.
	2.3. **Copy test files**. Copy files **NA-BS.mas** and **NA-EX.mas** to folder p03.
	2.4. **Compilation Error Penalty**: **No credit** is assigned to any submission that fails to produce an executable file. Compilation warnings will be severely penalized.
	All source files must contain an author identification comment similar to:
	//----------
	//Author1: Mr. Charles Babbage
	//Student ID: *00000000
	//E-Mail: cbabbage@uco.edu
	//Author2: Ms. Ada Lovelace
	//Student ID: *00000001
	//E-Mail: alovelace@uco.edu
	//Course: CMSC 3833 – Computer Organization II
	//CRN: 10931, Autumn, 2019
	//Project: p02
	//Due: September 16, 2019
	//Account: tt001
	//----------

Electronic Submission:	You and your partner make a single submission. Attach your document specifying the Instruction Set Architecture that you designed to a note to me trturner@uco.edu.

Scoring Block			
Section	**Available**	**Earned**	**Explanation**
New Architecture Binary Search	25	25	
New Architecture Exponentiation	25	25	
Total	**50**	**50**	