CS 361 HW1 Questionnaire

Please answer the following questions, and fill out the table shown below:

1. What is your name, ACCC ID, and the first digit of your UIN ? Bresia Prudente, bprude2, 7

2. What were your data types for <type1>, <type2>, <type3>, <type4>? char, float, float, double

	mainC.o	Func2C.o	mainC	mainCPP.o	Func2CPP.o	myclass.o	mainCPP
Type of file	object: relocatable	object: relocatable	object: executable	object: relocatable	object: relocatable	object: relocatable	object: executable
Entry point address	0x0	0x0	0x400450				
Start of section headers	4896	5312	64				
Section numbers for .text, .data, .bss	1, 3, 5	1, 3, 5	12, 23, 24				
Size (decimal) for .text, .data, .bss	514, 944, 8	817, 944, 0	1768, 1936, 24				
Total sizes of items in .text, .data, .bss	1466	1761	3728				
Section number, size, and offset for each of the items listed below. Use C, U, A for COMMON, UNDEFINED, AND ABSOLUTE, or NA if Not Applicable							
mainC[PP]Global	23, 1, 0x00000000006012 30	NA	23, 1, 0x0000 000000 601230				

mainC[PP]StaticGlobal	3, 4, 0x00000000000000070	NA	23, 4, 0x0000000000601290				
mainC[PP]InitGlobal	3, 1, 0x00000000000000040	NA	23, 1, 0x0000000000601260				
mainC[PP]InitStaticGlobal	3, 4, 0x000000000000000c4	NA	23, 4, 0x00000000006012e4				
mainC[PP]StaticLocalPtr	23, 8 0x0000000000601530	NA	NA				
mainC[PP]StaticLocalArray	23, 136, 0x0000000000601540	NA	NA				
mainC[PP]Local	NA	NA	NA				
mainC[PP]InitLocal	NA	NA	NA				
func2CHello	NA	3, 6, 0	23, 6, 0x00000000000006015e0				
func2CWorld	NA	3, 8, 0x0000000000000008	23, 8, 0x00000000000006015e8				
mainGlobalObj	NA	NA	NA				
methodStaticLocal	NA	NA	NA				

staticMethodStaticInitLocal	NA	NA	NA			
myclassStaticClass	NA	NA	NA			
myclassStaticInitClass	NA	NA	NA			
myClassHello	NA	NA	NA			
Main	1, 330, 0x00000000000000b8	NA	12, 330, 0x00000000004005e0			
func1C[PP]	1, 184, 0	NA	12, 184, 0x0000000000400528			
func2C[PP]	U, 0, 0	NA	12, 633, 0x00000000004007e4			
func3C[PP]	NA	1, 184, 0	12, 184, 0x000000000040072c			
MyClass::method	NA	0	NA			
MyClass::staticMethod	NA	0	NA			
printf	U, 0, 0	U, 0, 0	0, 0, 0x00000000006011d8			
__start	NA	NA	12, 0, 0x0000000000400450			

__end	NA	NA	A, 0, 0x0000 000000 6019a8				
__data_start	NA	NA	23, 0, 0x0000 000000 601200				
__bss_start	NA	NA	A, 0, 0x0000 000000 601990				

1. What do you think about readelf versus objdump? Which do you prefer, and why? Both readelf and objdump appear to be very similar in displaying contents. However, I prefer to use readelf because it displays more information that what objdump usually offers.

2. Which readelf flags did you find most useful? Which objdump flags? For readelf, I found that "-a" flag was useful for viewing the entire information needed. For objdump, I found the flags "-h", "-t", and "-x" useful.