

Lab 1.02 - Using the Interpreter ## Part 1 Using the interpreter, type in the expressions below. Copy and paste the output into the output column. If the result is unexpected, note that in the third column. ### Section 1 |

Input	**Output**	**Did it do something unexpected?**	
a `5 + 2 * 2`		b	
`2/3`		c `2.0 * 1.5`	
	d `(2 + 3) * 10`		
e `5.0 // 2`		f `5.0 % 2`	
	### Section 2		
Input			
Output			
Did it do something unexpected?			
a `a`		b `a`	
	### Section 3		
Input			
Output			
Did it do something unexpected?			
a `a + b`		b `a +	
`b`		### Section 4	
Input			
Output			
Did it do something unexpected?			
a			
`a` * `b`		b `a` * 2`	
	## Part 2		

Before going to the IDE 1. For each item, predict the data type of the result and enter into the "String/Integer/Float" column. 2. Next, predict the value of the result for each item and enter into it into the "Prediction of Result" column. || **Expression** | **String/Integer/Float** | **Prediction of Result** | **Interpreter Result** |

Expression	**String/Integer/Float**	**Prediction of Result**	**Interpreter Result**
a `10 * 2`	integer	20	20
b `.5 * 2`		c `10/2`	
d `10%2`		e `2 ** 3`	
f `(2+5)*3`		g	
`2 + 5 * 3`		h `ab + 12 + 3`	
i `x`		j `ab + cd`	
k `abc * 2`		l `1*2 + 2 * 3`	
m			
`1 * 2 + 3 * 2`		n `A ** 2`	
o `bc % 2`		p `bc / 2`	

Now go to the IDE Use the interpreter to evaluate the expressions, write down results in the "Interpreter Result" column.