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** | |-| :----------: | :----------: | :----------: | :----------: | |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.