[1.] What command would you use to evaluate \( x^{57} \) in C? What command would you use to evaluate \( x^{57} \) in python?

[2.] What is the remainder when you divide 128 by 15? What command would you use to evaluate this in C? What command would you use to evaluate this in python?

[3.] What will python tell you in response to these two lines:
   
   ```
   n=5
   n!=2
   ```

[4.] What will python tell you in response to these two lines:
   
   ```
   a='horcrux'
   type(a)
   ```

[5.] What will python 2 tell you in response to these five lines:
   
   ```
   n=118
   type(n)
   m=5
   type(m)
   n/m
   ```
   How would the response of python 3 be different? Write a few sentences about whether what python 3 is doing is sensible.