**how can i write a python program to display the number in full instead of exponential notation**

To display a number in Python in its full form (not in exponential or scientific notation), use string formatting methods specifically designed to print the value as a normal number, even for large or small numbers.[[1]](#fn1)[[2]](#fn2)

**Using String Formatting**

You can print any float or integer **without scientific notation** using Python’s format() or f-string methods:

number = 1.23456789012345e+15  
full\_string = "{:.0f}".format(number) # No decimal places, full number  
print(full\_string)

Or, for a specified number of decimal places:

number = 1.23456789012345e+15  
formatted = f"{number:.2f}" # Two decimal places  
print(formatted)

This will output the entire number in full notation, not scientific notation.[[2]](#fn2)[[1]](#fn1)

**For Integers**

Python’s default printing for integers does **not use exponential notation**, even for very large values:

big\_int = 123456789012345678901234567890  
print(big\_int)

Output:

123456789012345678901234567890

No special formatting is needed for integers.[[3]](#fn3)[[1]](#fn1)

**For Floats in Arrays (NumPy)**

If using NumPy:

import numpy as np  
np.set\_printoptions(suppress=True)  
a = np.array([1.5e10, 3.0e-4])  
print(a)

This will print arrays without scientific notation.[[4]](#fn4)

**Summary Table**

|  |  |  |
| --- | --- | --- |
| Data Type | Code Example | Output Style |
| Float | "{:.4f}".format(number) | No scientific notation [[1]](#fn1) |
| Float | f"{number:.4f}" | No scientific notation [[2]](#fn2) |
| Integer | print(big\_int) | No scientific notation [[3]](#fn3) |
| NumPy | np.set\_printoptions(suppress=True) | No scientific notation [[4]](#fn4) |

With these methods, any Python program can display full numbers, regardless of size, without exponential notation.[[1]](#fn1)[[4]](#fn4)[[2]](#fn2)[[3]](#fn3)

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1. <https://www.geeksforgeeks.org/python/how-to-suppress-scientific-notation-when-printing-float-values/>

1. <https://www.askpython.com/python/examples/suppressing-scientific-notation-float-values>

1. <https://discuss.python.org/t/let-int-accept-scientific-notation-strings/23530>

1. <https://blog.finxter.com/how-to-print-a-numpy-array-without-scientific-notation-in-python/>

1. <https://discuss.python.org/t/general-way-to-print-floats-without-the-0-part/53728>

1. <https://stackoverflow.com/questions/658763/how-to-suppress-scientific-notation-when-printing-float-values>

1. <https://www.geeksforgeeks.org/preventing-pandas-from-converting-large-numbers-to-exponential-in-excel/>

1. <https://www.scaler.com/topics/python-scientific-notation/>

1. <https://www.reddit.com/r/learnpython/comments/55chvb/how_do_i_get_a_number_without_scientific_notation/>

1. <https://www.youtube.com/watch?v=gUyYtdy5k80>