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**Python practice:**

<http://www.mypythonquiz.com/list.php>

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<https://www.programiz.com/python-programming/list>

<https://www.programiz.com/python-programming/set>

<https://www.geeksforgeeks.org/python-dictionary/>

<https://www.geeksforgeeks.org/tuples-in-python/>

<https://wiki.python.org/moin/TimeComplexity>

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Initialize your list and read in the value of followed by lines of commands where each command will be of the types listed above. Iterate through each command in order and perform the corresponding operation on your list.

the commands will be in a file.

12

insert 0 5

insert 1 10

insert 0 6

print

remove 6

append 9

append 1

sort

print

pop

reverse

print

output:

[6, 5, 10]

[1, 5, 9, 10]

[9, 5, 1]

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marks of a student are given

the marks are a dict with the subject as the key and mark as the value.

can you sort the dictionary and print sequence based on the marks.

input {'Math':81, 'Physics':83, 'Chemistry':87}

output [('Chemistry', 87), ('Physics', 83), ('Math', 81)]

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create a binary->decimal converter.

for example

binary\_decimal\_converter('0010') = 2

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compound interest principal

given the principal, interest and the number of years find the final amount.

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Regards