

## **Python Practice Programs**

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1. Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 2000 and 3200 (both included). The numbers obtained should be printed in a comma-separated sequence on a single line.
2. Write a program which can compute the factorial of a given number. The results should be printed in a comma-separated sequence on a single line.
3. With a given integral number n, write a program to generate a dictionary that contains (i, i\*i) such that i is an integral number between 1 and n (both included). and then the program should print the dictionary. Suppose the following input is supplied to the program:

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Then, the output should be:

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

4. Write a program which accepts a sequence of comma-separated numbers from the console and generate a list and a tuple which contains every number. Suppose the following input is supplied to the program:

34,67,55,33,12,98

Then, the output should be:

['34', '67', '55', '33', '12', '98']

('34', '67', '55', '33', '12', '98')

5. Define a class which has at least two methods:
  - a. getString: to get a string from console input
  - b. printString: to print the string in upper case.

Also please include simple test function to test the class methods.