

Multiples of 3 or 5

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Problem:

If we list all the natural numbers below 10 that are multiples of 3 or 5, we get 3, 5, 6 and 9. The sum of these multiples is 23.

Find the sum of all the multiples of 3 or 5 below 1000.

1 Solution

This problem is straight forward. Write a script that checks whether a number between 1 and 1000 is divisible by 3 or 5, and if it is, store it in a list. This can be easily checked by the making use of the `mod`-operator. When reaching 1000, sum up the contents of the list.

Solution: 234168