

**DATA SCIENCE BATCH-2023**

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**OGTIPDSBO037**

The following commands were written and run in the Python Console in PyCharm.

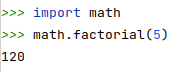
1. Adding Two Numbers



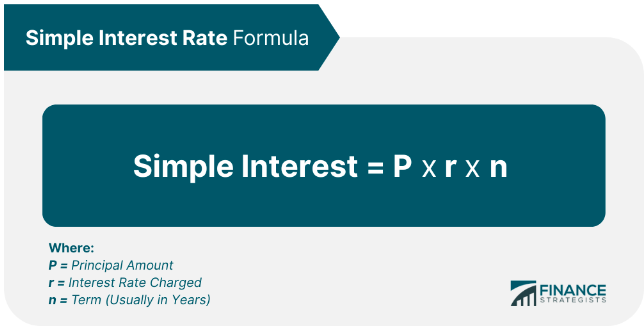
1. Maximum of Two Numbers

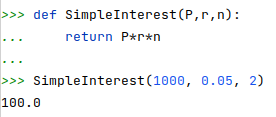


1. Factorial of a Number

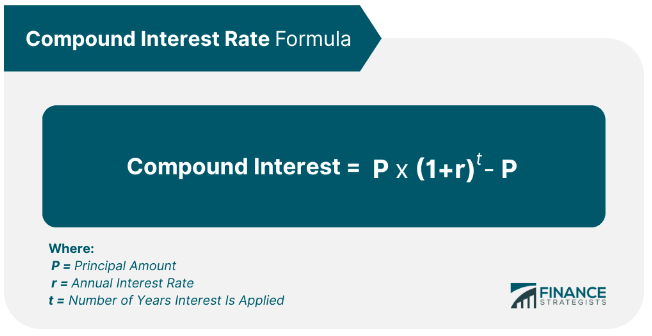


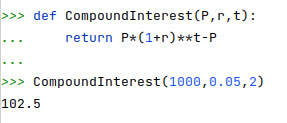
1. Function for Simple Interest





1. Function for Compound Interest

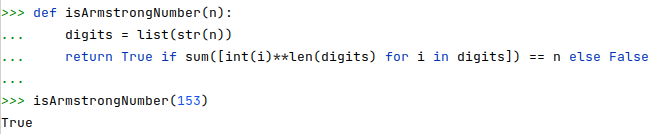




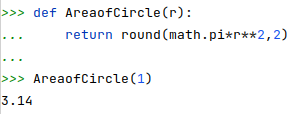
1. Check Armstrong Number

Examples: 153 = 13 + 53 + 33

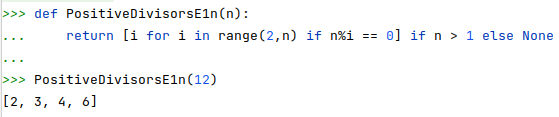
93084 = 95 + 35 + 05+ 85 + 45



1. Function for Area of a Circle



* Positive Divisors Except 1 and n

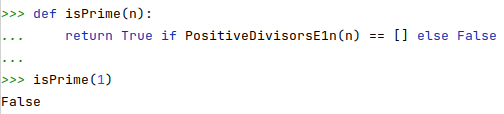


1. All Prime Numbers in an Interval by using *PositiveDivisorsE1n* function above

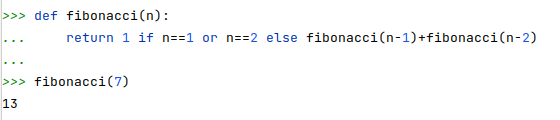
A picture containing text

Description automatically generated

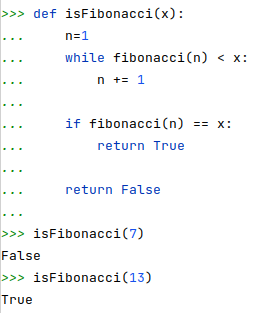
1. Check If a Number Prime or Not by using *PositiveDivisorsE1n* function



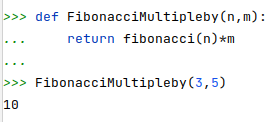
1. n-th Fibonacci Number



1. Function Checking If a Number is a Fibonacci Number by using *fibonacci* function (10)



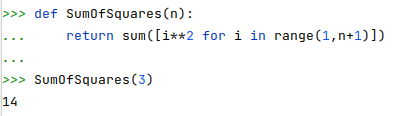
1. mth Multiple of a number in Fibonacci Series by using *fibonacci* function (10)



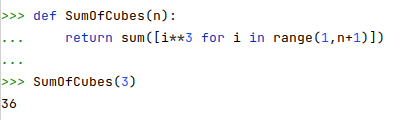
1. ASCII Value of a Character



1. Sum Of Squares of First n Natural Numbers



1. Cube Some of First n Natural Numbers



**SOURCES**

* https://www.financestrategists.com/banking/interest-rate/?gclid=Cj0KCQjw6cKiBhD5ARIsAKXUdyZKeqX5hhJtI9egJK2w90nP0wkS7v\_PEpbmknFuhqAqX5-bkiuTjBoaAgucEALw\_wcB