



30 DAYS OF CODE (PYTHON TRACK)

Day 17 - Find the sum of the first 'n' abundant numbers

In number theory, an abundant number is a number for which the sum of its proper divisors is greater than the number itself. Write a first function named **abundant** that **takes in the number as its input parameter** and **returns a Boolean value** indicating whether the number is abundant or not. Create a second function named **sum_abundant** that **returns the sum of the first n abundant numbers** by **taking in the value of n as its input parameter**.

e.g. **abundant(220)** returns True because the sum of the proper divisors of 220 which are 110,55,44,22,10,5,4,2 and 1 is 284.

N.B: No in-built module should be used.