- Write a program to print all divisors of given number.

  Example:

  Input: 6

  Output: 1 2 3 6

- Write a program to print sum of all divisors of given number.

  Example:

  Input: 6

  Output: 12

- Write a program to check if a given number is perfect or not.

  Hint: A number is a perfect number if is equal to sum of its proper divisors, that is, sum of its positive divisors excluding the number itself.

  Example: 6,28,496,8128 are perfect numbers.

- Write a program to check to print all perfect numbers in the given range.

  Note: Accept the Start range and End range value from user.

- Write a program to check if a given number is Fibonacci number.

  Example:

  Input : 8

  Output : Yes

  Input : 34

Output : Yes

Input : 41

Output : No

Hint: A number is Fibonacci if and only if one or both of (5*n2 + 4) or (5*n2 – 4) is a perfect square

- Write a program to check if given number is perfect square or not.

  Hint: Perfect square formula: N = x^2

  If x = 9, and N = x2. This means, N = 9^2 = 81. Here, 81 is a perfect square because it is the square of a whole number, 9.

  Note: You will need to use the library math(just like we used 'random' library) and function 'sqrt()' from this library.

  Example:

```
import math

s = int(math.sqrt(81))
print(s)
```