First Class Exercise

1. Write a python expression to compute

$$\sum_{i=1}^{100} \frac{2i+1}{i^2+2}$$

2. Define a function in python to implement the gcd algorithm presented in the last class

3. Define a function that given a list of lists that represent a square matrix determine if is a magic square.

   On a magic square the sum of the rows columns and diagonals give all the same number