

```
#!/usr/bin/env python 3
```

```
import time
```

```
#This is the function that actually does the formula and displays it.
```

```
def fibonnaci():
```

```
#The user enters an integer here and that integer is then used to determine how long the sequence will be.
```

```
    num = int(input("Please enter how many Fibonnaci numbers you would like! In case you didn't know, the Fibonacci sequence is a sequence of numbers where the next number in the sequence is the sum of the previous two numbers in the sequence. The sequence looks like this: 1, 1, 2, 3, 5, 8, 13,..."))
```

```
#These are the variables used for the formula.
```

```
    fir = 0
```

```
    sec = 1
```

```
    total = 0
```

```
    count = 1
```

```
#This bit of code actually is the formula for the Fibonnaci sequence.
```

```
#Using the while statment, the program will continually perform the formula until num has been reached.
```

```
    while(count<=num):
```

```
        print(total)
```

```
        count+=1
```

```
        fir=sec
```

```
        sec=total
```

```
        total=fir+sec
```

```
#A simple input line for the user to have a bit more interaction with the program.
```

```
start = input("Ready, y or n?")
```

```
#These if statements are here just to add a bit of personal flair to the program.
```

```
if start == "y" or start == "Y":
```

```
    fibonnaci()
```

```
elif start == "n" or start == "N":
```

```
    print("Then leave.")
```

```
else:
```

```
    print("I do not understand.")
```