

```
Please Input Principal: 625937
Please Input Interest Rate as a Decimal:0.035
Please Enter The Term of the Loan in Years:30
Please Enter The Number of Payments Per Year:12
Principal: 625937
Rate: 0.035
Term: 30
Compound: 12
Total paid after 30 years: 1785978.0083211404
Interest paid after 30years: 1160041.0083211404
```

```
Input Principal: 625937
Input Total Amount Paid: 1785978.0083211404
Input Term in Years: 30
Input Number of Payments Per Year: 12
The interest rate on a loan for 625937 that cost 1785978.0083211404 over 30 years is: 0.03500000000000014
In [13]:
```

The result from rate.py matched my input from interest.py after I went back and used parentheses to force the correct order of operations.