

Extra Credit #1

Due: April 17, 2014

Points: 30

Take the program “loan2.py” that you wrote for Homework #1 and add 3 more columns:

1. The amount of principle in each payment;
2. The amount of interest in each payment (so this and the previous should total to the payment); and
3. The total interest paid so far.

Input. This program takes the same input as the program “loan2.py”.

Output. Your program’s output should look *exactly* like this:

The payment schedule for a loan of \$5000.00 at 6.5% interest, repaid over 1 year:

month	payment	principle	interest	total int	remaining
1	431.48	404.40	27.08	27.08	4595.60
2	431.48	406.59	24.89	51.97	4189.01
3	431.48	408.79	22.69	74.66	3780.22
4	431.48	411.01	20.47	95.13	3369.21
5	431.48	413.23	18.25	113.38	2955.98
6	431.48	415.47	16.01	129.39	2540.51
7	431.48	417.72	13.76	143.15	2122.79
8	431.48	419.98	11.50	154.65	1702.81
9	431.48	422.26	9.22	163.87	1280.55
10	431.48	424.55	6.93	170.80	856.00
11	431.48	426.84	4.64	175.44	429.16
12	431.48	429.16	2.32	177.76	0.00

Submit. Name your program “loanex1.py” and submit it to the Extra Credit #1 area for this class on SmartSite.