

Extra Credit 1

Due: January 18 at 11:55pm

Points: 100

1. (30 points) Take the program “loan2.py” that you wrote for problem 2 of homework 1 and add 3 more columns:
 - (a) The amount of principle in each payment;
 - (b) The amount of interest in each payment (so this and the previous should total to the payment); and
 - (c) The total interest paid so far.

Input. This program takes the same input as the program “loan2.py” in problem 2, homework 1.

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.