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homework1 > h1_3 > ...
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20
21 print("\t\t\t\t\t(Payment schedule)")
22 print("*****")
23 print(f"{'Month':<15}{'Payment':<15}{'Interest':<15}{'Principal':<15}{'Principal Out *':<15}")
24 print("*****")
25
26 balance = amount # principal out
27
28 for i in range(1, months + 1):
29     monthly_interest = balance * rate
30     payment = monthly_amount
31
32     if payment > balance + monthly_interest:
33         payment = balance + monthly_interest
34
35     principal = payment - monthly_interest
36     balance -= principal
37
38     print(f"{'i':<15}${payment:<15.2f}${monthly_interest:<15.2f}${principal:<15.2f}${balance:<15.2f}")
39

```

powerShell + v

```
> Enter the amount borrowed: 1000
> Enter the yearly interest rate (as a decimal ex: 1.5% = 0.015): 0.15
> Enter the number of years to be repaid: 1
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> Monthly repayment : \$90.26  
> Total repayment : \$1,083.10  
> Total interest : \$83.10

(Payment schedule)

Month	Payment	Interest	Principal	Principal Out *
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1	\$90.26	\$12.50	\$77.76	\$922.24
2	\$90.26	\$11.53	\$78.73	\$843.51
3	\$90.26	\$10.54	\$79.71	\$763.80
4	\$90.26	\$9.55	\$80.71	\$683.09
5	\$90.26	\$8.54	\$81.72	\$601.37
6	\$90.26	\$7.52	\$82.74	\$518.63
7	\$90.26	\$6.48	\$83.78	\$434.85
8	\$90.26	\$5.44	\$84.82	\$350.03
9	\$90.26	\$4.38	\$85.88	\$264.14
10	\$90.26	\$3.30	\$86.96	\$177.19
11	\$90.26	\$2.21	\$88.04	\$89.14
12	\$90.26	\$1.11	\$89.14	\$0.00