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Midterm Output

3/12/19

Example Output Displayed

```
PS D:\pythonProjects\midterm> & C:/Users/Owner/AppData/Local/Programs/Python/Python37-32/python.exe d:/pythonProjects/midterm/midterm.py
Loan Amount:10000
Number of Years:1
Annual Interest Rate:7
Monthly Interest: $865.27
Total Payment: $10,383.21

Displaying ALL months of the schedual

Payments # |Interest | Principal | Balance|
1 |$58.33 | $806.93 | $9,193.07|
2 |$53.63 | $811.64 | $8,381.42|
3 |$48.89 | $816.38 | $7,565.05|
4 |$44.13 | $821.14 | $6,743.91|
5 |$39.34 | $825.93 | $5,917.98|
6 |$34.52 | $830.75 | $5,087.24|
7 |$29.68 | $835.59 | $4,251.65|
8 |$24.80 | $840.47 | $3,411.18|
9 |$19.90 | $845.37 | $2,565.81|
10 |$14.97 | $850.30 | $1,715.51|
11 |$10.01 | $855.26 | $860.25|
12 |$5.02 | $860.25 | $0.00|

Displaying similar to the midterm example format

Payments # |Interest | Principal | Balance|
1 |$58.33 | $806.93 | $9,193.07|
2 |$53.63 | $811.64 | $8,381.42|
...
11 |$10.01 | $855.26 | $860.25|
12 |$5.02 | $860.25 | $0.00|
PS D:\pythonProjects\midterm>
```

Interest Rate of 10

```
Loan Amount:10000
Number of Years:1
Annual Interest Rate:10
Monthly Interest: $879.16
Total Payment: $10,549.91

Displaying ALL months of the schedual

Payments # |Interest | Principal | Balance|
1 |$83.33 | $795.83 | $9,204.17|
2 |$76.70 | $802.46 | $8,401.72|
3 |$70.01 | $809.14 | $7,592.57|
4 |$63.27 | $815.89 | $6,776.69|
5 |$56.47 | $822.69 | $5,954.00|
6 |$49.62 | $829.54 | $5,124.46|
7 |$42.70 | $836.46 | $4,288.00|
8 |$35.73 | $843.43 | $3,444.58|
9 |$28.70 | $850.45 | $2,594.12|
10 |$21.62 | $857.54 | $1,736.58|
11 |$14.47 | $864.69 | $871.89|
12 |$7.27 | $871.89 | $0.00|

Displaying similar to the midterm example format

Payments # |Interest | Principal | Balance|
1 |$83.33 | $795.83 | $9,204.17|
2 |$76.70 | $802.46 | $8,401.72|
...
11 |$14.47 | $864.69 | $871.89|
12 |$7.27 | $871.89 | $0.00|
PS D:\pythonProjects\midterm>
```

A 2 year 100,000 dollar loan at 13 percent interest

Loan Amount:10000
Number of Years:2
Annual Interest Rate:13
Monthly Interest: \$475.42
Total Payment: \$11,410.04

Displaying ALL months of the schedual

Payments #	Interest	Principal	Balance
1	\$108.33	\$367.08	\$9,632.92
2	\$104.36	\$371.06	\$9,261.85
3	\$100.34	\$375.08	\$8,886.77
4	\$96.27	\$379.14	\$8,507.63
5	\$92.17	\$383.25	\$8,124.37
6	\$88.01	\$387.40	\$7,736.97
7	\$83.82	\$391.60	\$7,345.37
8	\$79.57	\$395.84	\$6,949.53
9	\$75.29	\$400.13	\$6,549.39
10	\$70.95	\$404.47	\$6,144.93
11	\$66.57	\$408.85	\$5,736.08
12	\$62.14	\$413.28	\$5,322.80
13	\$57.66	\$417.75	\$4,905.05
14	\$53.14	\$422.28	\$4,482.77
15	\$48.56	\$426.85	\$4,055.91
16	\$43.94	\$431.48	\$3,624.43
17	\$39.26	\$436.15	\$3,188.28
18	\$34.54	\$440.88	\$2,747.40
19	\$29.76	\$445.65	\$2,301.75
20	\$24.94	\$450.48	\$1,851.26
21	\$20.06	\$455.36	\$1,395.90
22	\$15.12	\$460.30	\$935.61
23	\$10.14	\$465.28	\$470.32
24	\$5.10	\$470.32	\$0.00

Displaying similar to the midterm example format

Payments #	Interest	Principal	Balance
1	\$108.33	\$367.08	\$9,632.92
2	\$104.36	\$371.06	\$9,261.85
...			
23	\$10.14	\$465.28	\$470.32
24	\$5.10	\$470.32	\$0.00