In [3]:
```python
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt

df=pd.read_csv("output.txt")
df.head(300)
```

Out[3]:

	Year	loan at the beginning of month	Interest paid	Capital repaid	Loan at the end of month
0	1	250000.000000	717.724680	-717.724680	250717.724680
1	2	250717.724680	719.785195	-719.785195	251437.509874
2	3	251437.509874	721.851625	-721.851625	252159.361499
3	4	252159.361499	723.923988	-723.923988	252883.285487
4	5	252883.285487	726.002300	-726.002300	253609.287788
5	6	253609.287788	728.086579	-728.086579	254337.374367
6	7	254337.374367	730.176842	-730.176842	255067.551209
7	8	255067.551209	732.273106	-732.273106	255799.824316
8	9	255799.824316	734.375388	-734.375388	256534.199703
9	10	256534.199703	736.483705	-736.483705	257270.683409
10	11	257270.683409	738.598075	-738.598075	258009.281484
11	12	258009.281484	740.718516	-740.718516	258750.000000
12	13	258750.000000	742.845044	-742.845044	259492.845044
13	14	259492.845044	744.977676	-744.977676	260237.822720
14	15	260237.822720	747.116432	-747.116432	260984.939152
15	16	260984.939152	749.261328	-749.261328	261734.200479
16	17	261734.200479	751.412381	-751.412381	262485.612860
17	18	262485.612860	753.569610	-753.569610	263239.182470
18	19	263239.182470	755.733032	1089.979885	262149.202585
19	20	262149.202585	752.603810	1093.109107	261056.093478
20	21	261056.093478	749.465604	1096.247313	259959.846165
21	22	259959.846165	746.318389	1099.394528	258860.451637
22	23	258860.451637	743.162139	1102.550778	257757.900859
23	24	257757.900859	739.996827	1105.716090	256652.184770
24	25	256652.184770	736.822429	1108.890488	255543.294281
25	26	255543.294281	733.638916	1112.074001	254431.220281

26	27	254431.220281	730.446264	1115.266653	253315.953628
27	28	253315.953628	727.244447	1118.468470	252197.485158
28	29	252197.485158	724.033437	1121.679480	251075.805678
29	30	251075.805678	720.813209	1124.899708	249950.905970
...	...	...	...	...	...
270	271	50501.799178	305.279287	1540.433630	48961.365548
271	272	48961.365548	295.967490	1549.745427	47411.620121
272	273	47411.620121	286.599404	1559.113513	45852.506608
273	274	45852.506608	277.174690	1568.538227	44283.968381
274	275	44283.968381	267.693003	1578.019914	42705.948467
275	276	42705.948467	258.154000	1587.558917	41118.389550
276	277	41118.389550	248.557335	1597.155582	39521.233968
277	278	39521.233968	238.902659	1606.810258	37914.423711
278	279	37914.423711	229.189621	1616.523296	36297.900415
279	280	36297.900415	219.417869	1626.295048	34671.605366
280	281	34671.605366	209.587047	1636.125870	33035.479496
281	282	33035.479496	199.696798	1646.016119	31389.463378
282	283	31389.463378	189.746764	1655.966153	29733.497225
283	284	29733.497225	179.736583	1665.976334	28067.520891
284	285	28067.520891	169.665891	1676.047026	26391.473865
285	286	26391.473865	159.534322	1686.178595	24705.295271
286	287	24705.295271	149.341509	1696.371408	23008.923863
287	288	23008.923863	139.087082	1706.625835	21302.298028
288	289	21302.298028	128.770667	1716.942250	19585.355777
289	290	19585.355777	118.391890	1727.321027	17858.034750
290	291	17858.034750	107.950374	1737.762543	16120.272207
291	292	16120.272207	97.445740	1748.267177	14372.005030
292	293	14372.005030	86.877607	1758.835310	12613.169720
293	294	12613.169720	76.245590	1769.467327	10843.702392
294	295	10843.702392	65.549303	1780.163614	9063.538778
295	296	9063.538778	54.788358	1790.924559	7272.614219
296	297	7272.614219	43.962364	1801.750553	5470.863666
297	298	5470.863666	33.070928	1812.641989	3658.221677
298	299	3658.221677	22.113654	1823.599263	1834.622414

| **299** | 300 | 1834.622414 | 11.090144 | 1834.622773 | 0.000000 |

300 rows × 5 columns

In [ ]: