```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 32581 entries, 0 to 32580
Data columns (total 12 columns):
 #   Column                      Non-Null Count  Dtype  
---  ------                      --------------  -----  
 0   person_age                  32581 non-null  int64  
 1   person_income               32581 non-null  int64  
 2   person_home_ownership       32581 non-null  object 
 3   person_emp_length           31686 non-null  float64
 4   loan_intent                 32581 non-null  object 
 5   loan_grade                  32581 non-null  object 
 6   loan_amnt                   32581 non-null  int64  
 7   loan_int_rate               29465 non-null  float64
 8   loan_status                 32581 non-null  int64  
 9   loan_percent_income         32581 non-null  float64
 10  cb_person_default_on_file   32581 non-null  object 
 11  cb_person_cred_hist_length  32581 non-null  int64  
dtypes: float64(3), int64(5), object(4)
memory usage: 3.0+ MB
None
   person_age  person_income person_home_ownership  person_emp_length  \
0          22          59000                  RENT              123.0   
1          21           9600                   OWN                5.0   
2          25           9600              MORTGAGE                1.0   
3          23          65500                  RENT                4.0   
4          24          54400                  RENT                8.0   
```

	loan_intent	loan_grade	loan_amnt	loan_int_rate	loan_status	\
0	PERSONAL	D	35000	16.02	1	
1	EDUCATION	B	1000	11.14	0	
2	MEDICAL	C	5500	12.87	1	
3	MEDICAL	C	35000	15.23	1	
4	MEDICAL	C	35000	14.27	1	

	loan_percent_income	cb_person_default_on_file	cb_person_cred_hist_length
0	0.59	Y	3
1	0.10	N	2
2	0.57	N	3
3	0.53	N	2
4	0.55	Y	4

🔹 Logistic Regression Performance:

	precision	recall	f1-score	support
0	0.86	0.95	0.90	4443
1	0.73	0.45	0.56	1285
accuracy			0.84	5728
macro avg	0.79	0.70	0.73	5728
weighted avg	0.83	0.84	0.82	5728

Accuracy: 0.8392108938547486

accuracy			0.93	5728
macro avg	0.95	0.85	0.89	5728
weighted avg	0.93	0.93	0.93	5728

Accuracy: 0.9294692737430168