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Run Code

In [2]:
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sb
%matplotlib inline
```

In [3]:
```
dd=pd.read_csv("creditcard_csv(1).csv")
```

In [8]:
```
dd.head()
```

Out[8]:

	Time	V1	V2	V3	V4	V5	V6	V7	V8	V9	...	V21	V22	V23	V24	
0	0.0	-1.359807	-0.072781	2.536347	1.378155	-0.338321	0.462388	0.239599	0.098698	0.363787	...	-0.018307	0.277838	-0.110474	0.066928	0.128
1	0.0	1.191857	0.266151	0.166480	0.448154	0.060018	-0.082361	-0.078803	0.085102	-0.255425	...	-0.225775	-0.638672	0.101288	-0.339846	0.167
2	1.0	-1.358354	-1.340163	1.773209	0.379780	-0.503198	1.800499	0.791461	0.247676	-1.514654	...	0.247998	0.771679	0.909412	-0.689281	-0.327
3	1.0	-0.966272	-0.185226	1.792993	-0.863291	-0.010309	1.247203	0.237609	0.377436	-1.387024	...	-0.108300	0.005274	-0.190321	-1.175575	0.647
4	2.0	-1.158233	0.877737	1.548718	0.403034	-0.407193	0.095921	0.592941	-0.270533	0.817739	...	-0.009431	0.798278	-0.137458	0.141267	-0.206

5 rows × 31 columns

In [10]:
```
#histogram
plt.hist(dd["Class"],color='blue')
```

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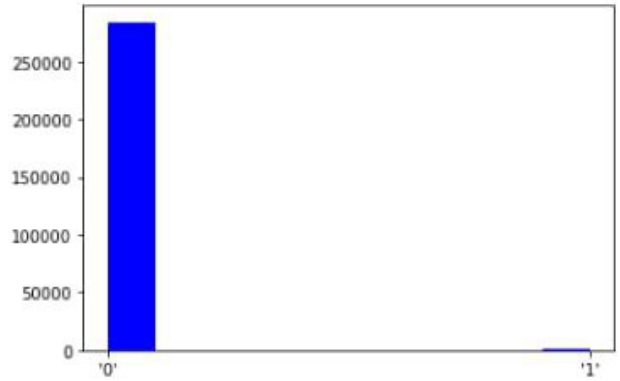
5 rows × 31 columns

In [10]:
```
#histogram
plt.hist(dd["Class"],color='blue')
plt.show()
```



In [11]:
```
plt.hist(dd["Amount"],color='green')
plt.show()
```

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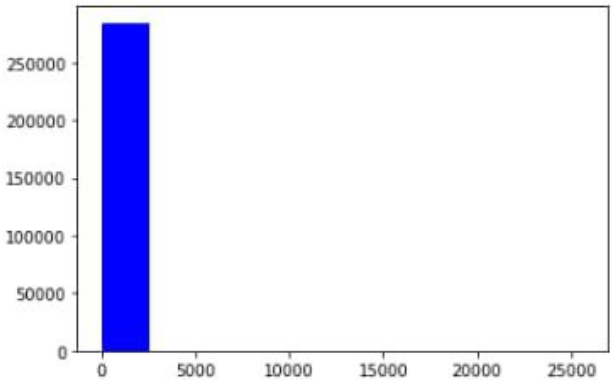
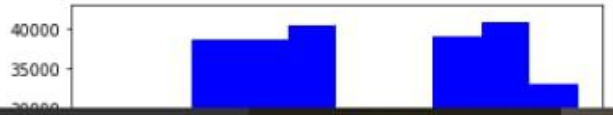


In [12]:
```
plt.hist(dd["Time"],color='red')
plt.show()
```



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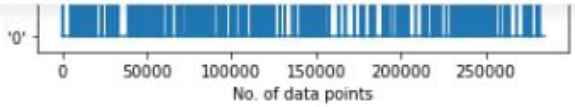
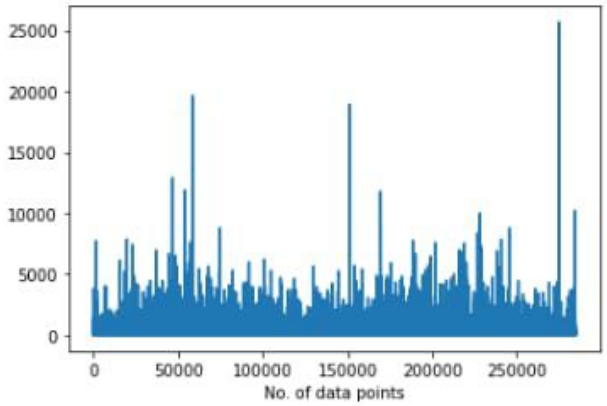


In [14]:
```
plt.plot(dd["Amount"])
plt.xlabel("No. of data points")
plt.show()
```



In [15]:
```
plt.plot(dd["Time"])
plt.xlabel("No. of data points")
plt.show()
```

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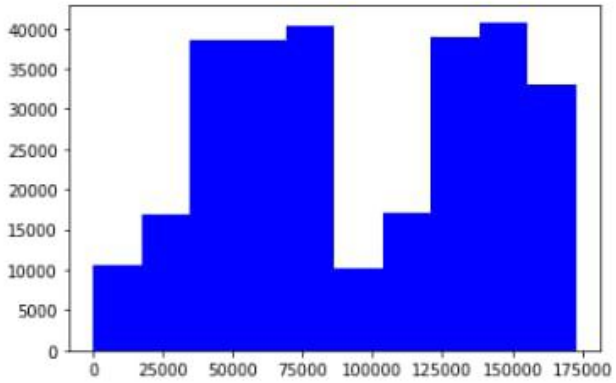

In [13]:
```
plt.plot(dd["Class"])
plt.xlabel("No. of data points")
plt.show()
```

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Run Code

No. of data points

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```
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plt.xlabel("No. of data points")
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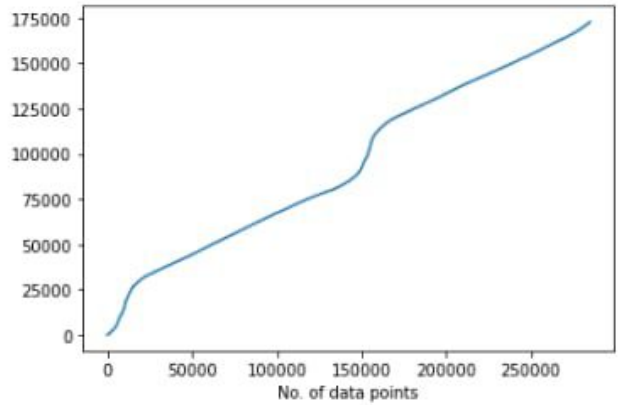

In [16]:
```
sb.set_style('whitegrid');
sb.FacetGrid(dd,hue='Class',height=5).map(plt.scatter,'Time','Amount').add_legend();
plt.show();
```

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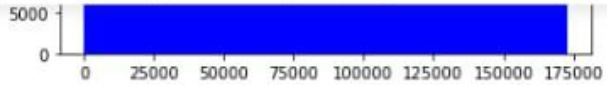

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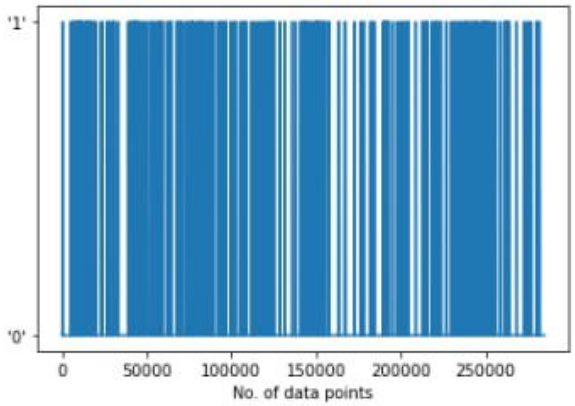

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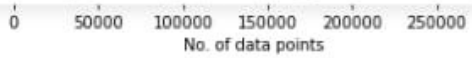

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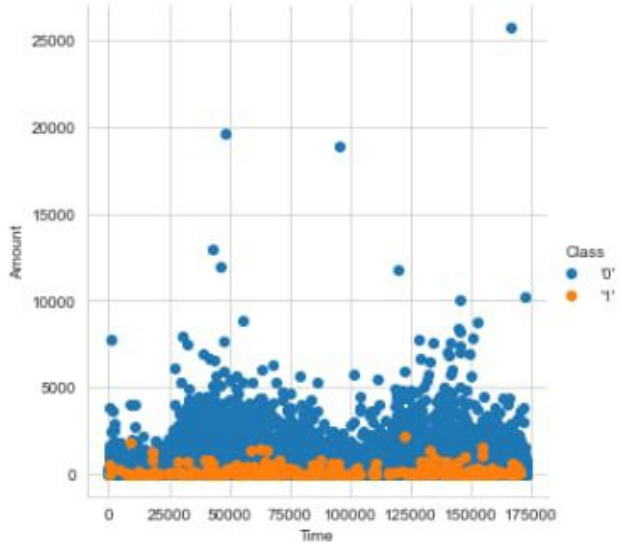

In [*]:
```
sb.boxplot(x='Time',y='Amount',data=dd)
```

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