In [1]:
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

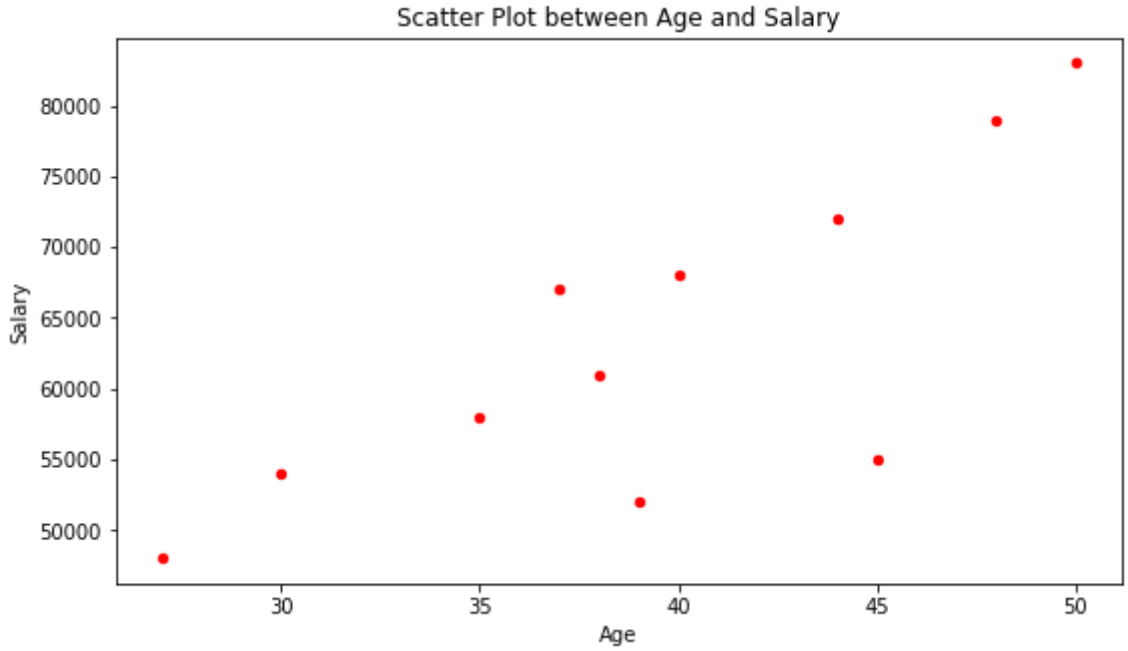
In [11]:
```
data = pd.read_csv('D:\Mywork\ML\Data_for_Transformation.csv')
data
```

Out[11]:

	Country	Age	Salary	Purchased
0	France	44	72000	No
1	Spain	27	48000	Yes
2	Germany	30	54000	No
3	Spain	38	61000	No
4	Germany	40	68000	Yes
5	France	35	58000	Yes
6	Spain	39	52000	No
7	France	48	79000	Yes
8	Germany	50	83000	No
9	France	37	67000	Yes
10	Spain	45	55000	No

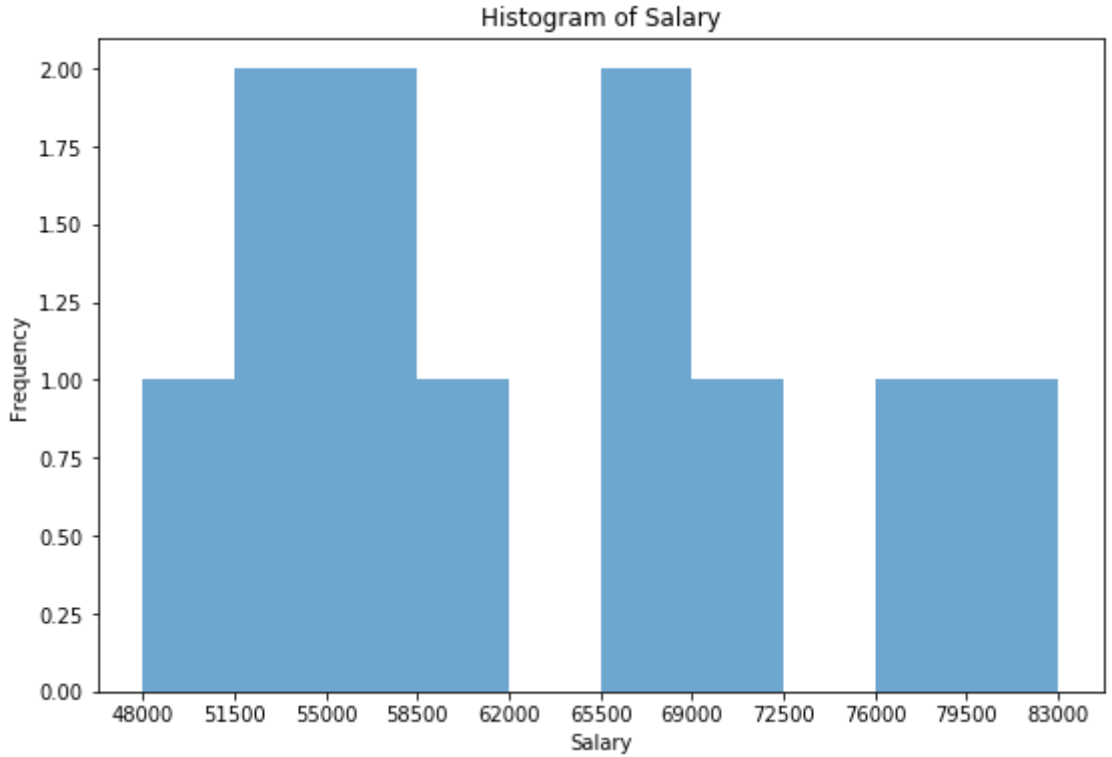
1) Draw Scatter Plot between age and salary for "Data_for_Transformation".

In [5]:
```
data.plot(kind='scatter',x='Age',y='Salary',figsize = (9,5),color='red')
plt.title("Scatter Plot between Age and Salary")
plt.xlabel('Age')
plt.ylabel('Salary')
plt.show()
```



2) Draw Histogram of Salary.

In [13]:
```
count,bin_edges = np.histogram(data['Salary'])
data['Salary'].plot(kind='hist',figsize=(9,6),xticks=bin_edges,alpha=0.65)
plt.title("Histogram of Salary")
plt.xlabel("Salary")
plt.show()
```



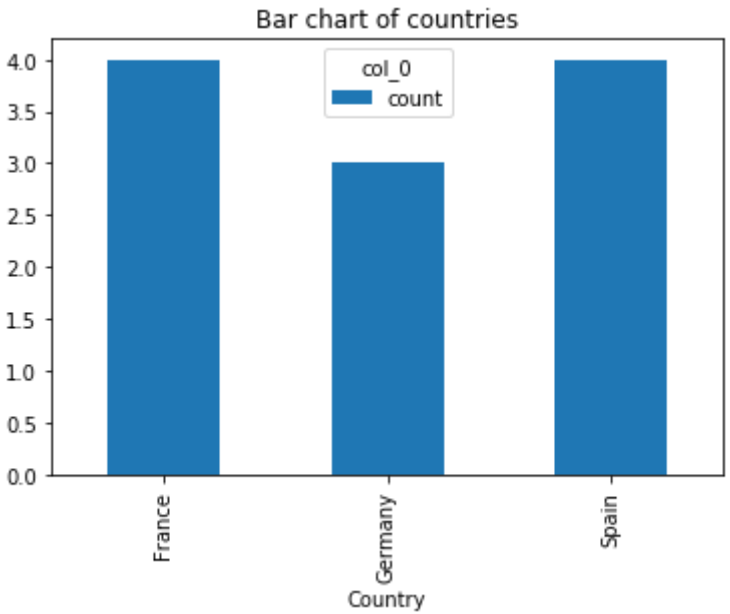
3) Plot bar chart of Country.

In [8]:
```
data_country = pd.crosstab(index = data['Country'],columns = ['count'],dropna=True)
data_country
```

Out[8]:

col_0	count
Country	
France	4
Germany	3
Spain	4

In [10]:
```
data_country.plot(kind='bar',figsize=(6,4))
plt.title("Bar chart of countries")
plt.xlabel("Country")
plt.show()
```



In [ ]: