In [16]:
```
1 import matplotlib.pyplot as plt
2 import pandas as pd
```

In [17]:
```
1 df=pd.read_csv("sales_data_sample(1).csv")
```

Out[17]:

	ORDERNUMBER	QUANTITYORDERED	PRICEEACH	ORDERLINENUMBER	SALES	ORI
0	10107	30	95.70	2	2871.00	
1	10121	34	81.35	5	2765.90	5/7/
2	10134	41	94.74	2	3884.34	7/1/
3	10145	45	83.26	6	3746.70	
4	10159	49	100.00	14	5205.27	1
...	...	...	...	...	...	
2818	10350	20	100.00	15	2244.40	
2819	10373	29	100.00	1	3978.51	
2820	10386	43	100.00	4	5417.57	3/1/
2821	10397	34	62.24	1	2116.16	
2822	10414	47	65.52	9	3079.44	5/6/

2823 rows × 16 columns

In [18]:

```
1 df.columns
```

Out[18]:

```
Index(['ORDERNUMBER', 'QUANTITYORDERED', 'PRICEEACH', 'ORDERLINENUMBER',
       'SALES', 'ORDERDATE', 'STATUS', 'QTR_ID', 'MONTH_ID', 'YEAR_ID',
       'PRODUCTLINE', 'MSRP', 'PRODUCTCODE', 'CUSTOMERNAME', 'COUNTRY',
       'DEALSIZE'],
      dtype='object')
```

In [19]:

```
1 newdf=df.groupby('COUNTRY')
2 country=df['COUNTRY'].unique()
```

Out[19]:

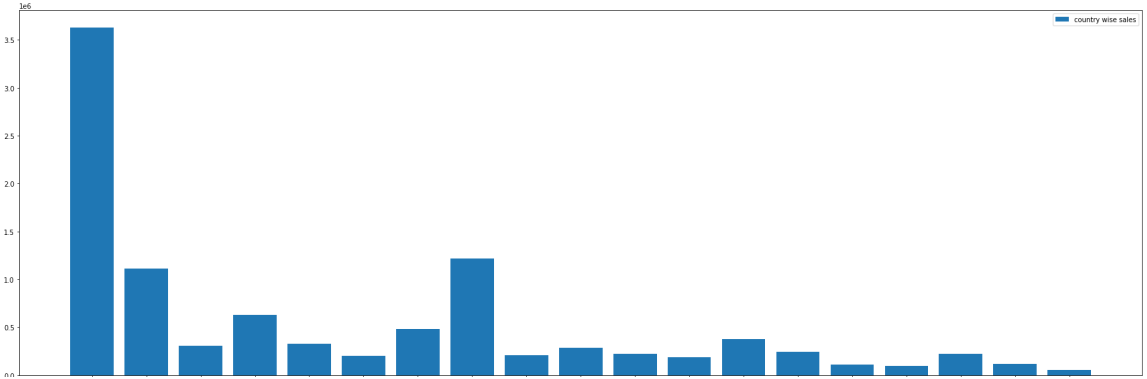
```
3627982.83
```

In [24]:
```
newdf=df.groupby('COUNTRY')
country=df['COUNTRY'].unique()
sales=[]
for cname in country:
    sales.append(sum(newdf.get_group(cname)['SALES']))

f = plt.figure()
f.set_figwidth(30)
f.set_figheight(10)

font1={'family':'serif','color':'blue','size':20 }
font2={'family':'serif','color':'blue','size':15}
plt.bar(country,sales,label="country wise sales")
```

Out[24]: <matplotlib.legend.Legend at 0x2199ede9a00>

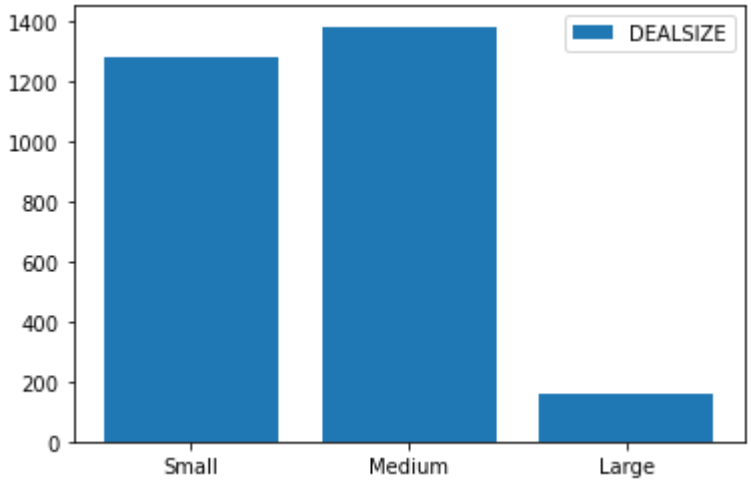


USA France Norway Australia Finland Austria UK Spain Sweden Singapore Canada Japan Italy Denmark Belgium Philippines Germany Switzerland Ireland

In [26]:
```
dsize=df['DEALSIZE'].unique()
deal=[]
newdf=df.groupby('DEALSIZE')
for dname in dsize:
    deal.append(newdf.get_group(dname)['DEALSIZE'].count())

plt.bar(df['DEALSIZE'].unique(),deal,label="DEALSIZE")
```

Out[26]: <matplotlib.legend.Legend at 0x2199ed1bbb0>

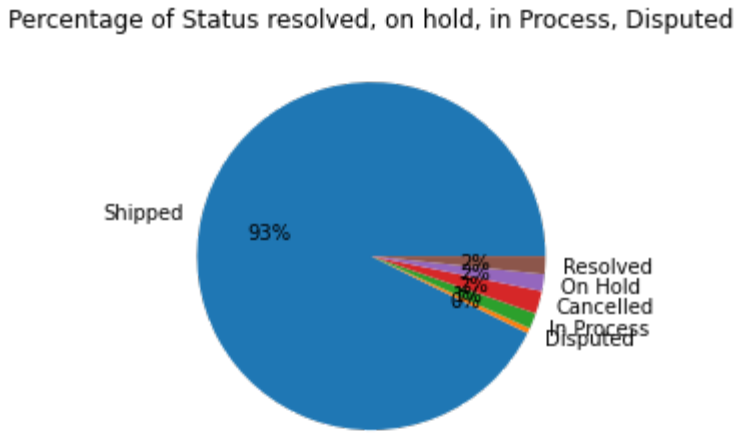


In [33]:

```
newdf=df.groupby('STATUS')
tot=df['STATUS'].count()
status = df['STATUS'].unique()
percent= []
for sname in status :
```

In [40]:
```
plt.pie(percent, labels=status,autopct='%1.lf%%')
plt.title('Percentage of Status resolved, on hold, in Process, Disputed
```

Out[40]:
```
Text(0.5, 1.0, 'Percentage of Status resolved, on hold, in Process, Disput
ed')
```



In [ ]:

In [ ]:
```
1
```