# Pie chart

In [1]:
```
import pandas as pd
df = pd.read_excel('data.xlsx',sheet_name='drink')
```

In [2]:
```
brand = pd.unique(df['Brand Purchased'])
```

In [3]:
```
brand
```

Out[3]:
```
array(['Coke Classic', 'Diet Coke', 'Pepsi', 'Dr. Pepper', 'Sprite'],
      dtype=object)
```

In [4]:
```
y = [0] * len(brand)
```

In [5]:
```
for i in range(len(brand)):
    y[i] = df['Brand Purchased'][df['Brand Purchased']==brand[i]].count()
```

In [6]:
```
y
```

Out[6]:
```
[19, 8, 13, 5, 5]
```

In [7]:
```
import matplotlib.pyplot as plt
fig = plt.figure()
```

```
<Figure size 432x288 with 0 Axes>
```

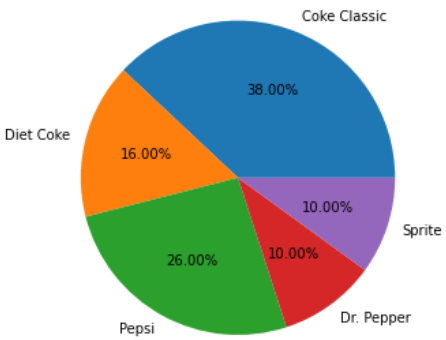
In [8]:
```
axes = fig.add_axes([0,0,1,1])
```

In [9]:
```
axes.pie(y,labels=brand, autopct='%1.2f%%')
```

Out[9]:
```
([<matplotlib.patches.Wedge at 0x7fc182e19e20>,
  <matplotlib.patches.Wedge at 0x7fc182e273d0>,
  <matplotlib.patches.Wedge at 0x7fc182e27970>,
  <matplotlib.patches.Wedge at 0x7fc182e3d0d0>,
  <matplotlib.patches.Wedge at 0x7fc182e3d6d0>],
 [Text(0.4049370232742902, 1.0227541284110062, 'Coke Classic'),
  Text(-1.0654414659720242, 0.2735589197730253, 'Diet Coke'),
  Text(-0.5299291209321735, -0.9639373043865738, 'Pepsi'),
  Text(0.6465636817034847, -0.8899187634284577, 'Dr. Pepper'),
  Text(1.0461621345079046, -0.3399187966586506, 'Sprite')],
 [Text(0.22087473996779464, 0.5578658882241851, '38.00%'),
  Text(-0.581149890530195, 0.149213956239832, '16.00%'),
  Text(-0.2890522477811855, -0.5257839842108584, '26.00%'),
  Text(0.3526710991109916, -0.4854102345973405, '10.00%'),
  Text(0.5706338915497661, -0.1854102527229003, '10.00%')])
```

In [10]:
```
fig
```

Out[10]:




In [ ]:
```
```

In [ ]:
```
```