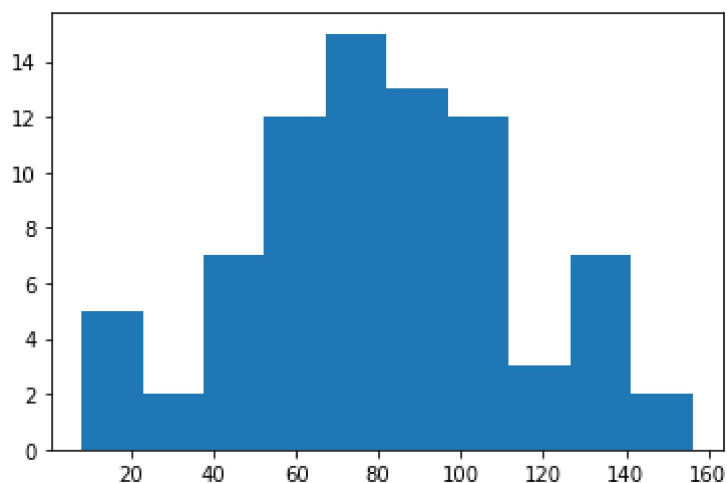


```
In [22]: import numpy as np
import matplotlib.pyplot as plt
x=np.array([21,36,34,19,9])
plt.pie(x)
plt.show()
```



```
In [8]: b=np.random.normal(85,32,78)
plt.hist(b)
plt.show()
```



```
In [19]: a=open('xx.txt','w')
a.write("Welcome to REC")
a.close()
```

```
In [21]: x=open('xx.txt','r')
print(x.read())
x.close()
```

Welcome to REC

```
In [24]: y=open('xx.txt','a')
y.write("\nREC")
y.close()
y=open('xx.txt')
print(y.read())
```

Welcome to RECREC
REC

```
In [41]: import json
x='{"Name":"Sindhu","Age":20,"City":"Chennai"}'
y=json.loads(x)
print(y)
```

{'Name': 'Sindhu', 'Age': 20, 'City': 'Chennai'}

```
In [ ]: import numpy as np
import matplotlib.pyplot as plt
x=np.array([0,1,2,3,4])
y=np.array([0,2,4,6,8])
```

```
In [ ]:
```