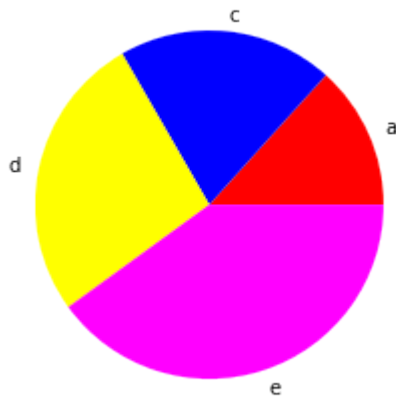
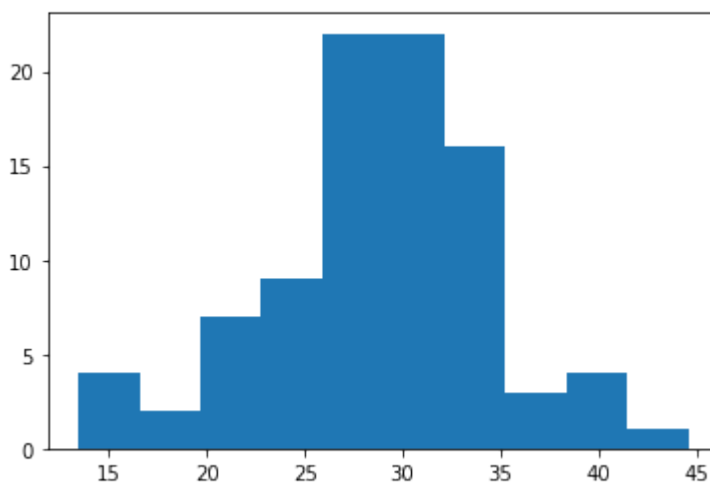


```
In [1]: 1 import numpy as np
2 import matplotlib.pyplot as plt
3 #x=np.array([2,5,7,3])
4 y=np.array([10,15,20,30])
5 cp=['red','blue','yellow','magenta']
6 name=['a','c','d','e']
7 plt.pie(y,labels=name,colors=cp)
8 plt.show()
```



```
In [2]: 1 a=np.random.normal(30,6,90)
2 plt.hist(a)
3 plt.show()
```



```
In [7]: 1 b=open('x.txt','w')
2 b.write("Thanks for opening this. Have a good day:))")
3 b.close()
4 b=open('x.txt')
5 print(b.read())
6 b.close()
```

Thanks for opening this. Have a good day:))

```
In [13]: 1 b=open('x.txt','a')
          2 b.write("\nByee")
          3 b.close()
          4 b=open('x.txt')
          5 print(b.read())
```

Thanks for opening this. Have a good day:))Byee/nByee  
Byee

```
In [16]: 1 import json
          2 z='{"Name":"Brownie","Breed":"Golden retriever","Age":2}'
          3 w=json.loads(z)
          4 print(w)
```

{'Name': 'Brownie', 'Breed': 'Golden retriever', 'Age': 2}

```
In [17]: 1 f=open('d:file.txt','w')
          2 f.write("Hello!")
          3 b.close()
          4 f=open('d:file.txt')
          5 f.close()
```

```
In [ ]: 1
```