In [12]:
```
import pandas as p
import numpy
```

In [9]:
```
z=p.read_csv("exc.csv")
```

In [19]:
```
z
```

	CustomerID	Genre	Age	Annual Income (k$)	Spending Score (1-100)
0	1	Male	19	15	39
1	2	Male	21	15	81
2	3	Female	20	16	6
3	4	Female	23	16	77
4	5	Female	31	17	40
...	...	...	...	...	...
195	196	Female	35	120	79
196	197	Female	45	126	28
197	198	Male	32	126	74
198	199	Male	32	137	18
199	200	Male	30	137	83

200 rows × 5 columns

In [20]:
```
g=z['Annual Income (k$)']
```

In [23]:
```
c=numpy.mean(g)
c
```

Out[23]: 60.56

In [26]:
```

```

In [38]:
```
d=numpy.median(g)
d
```

Out[38]: 61.5

In [ ]:
```

```

In [43]:
```
e=numpy.var(g)
e
```

Out[43]: 686.3864000000005

In [44]:
```
f=numpy.std(g)
f
```

Out[44]: 26.19897707926782

In [45]:
```
y=z['Spending Score (1-100)']
```

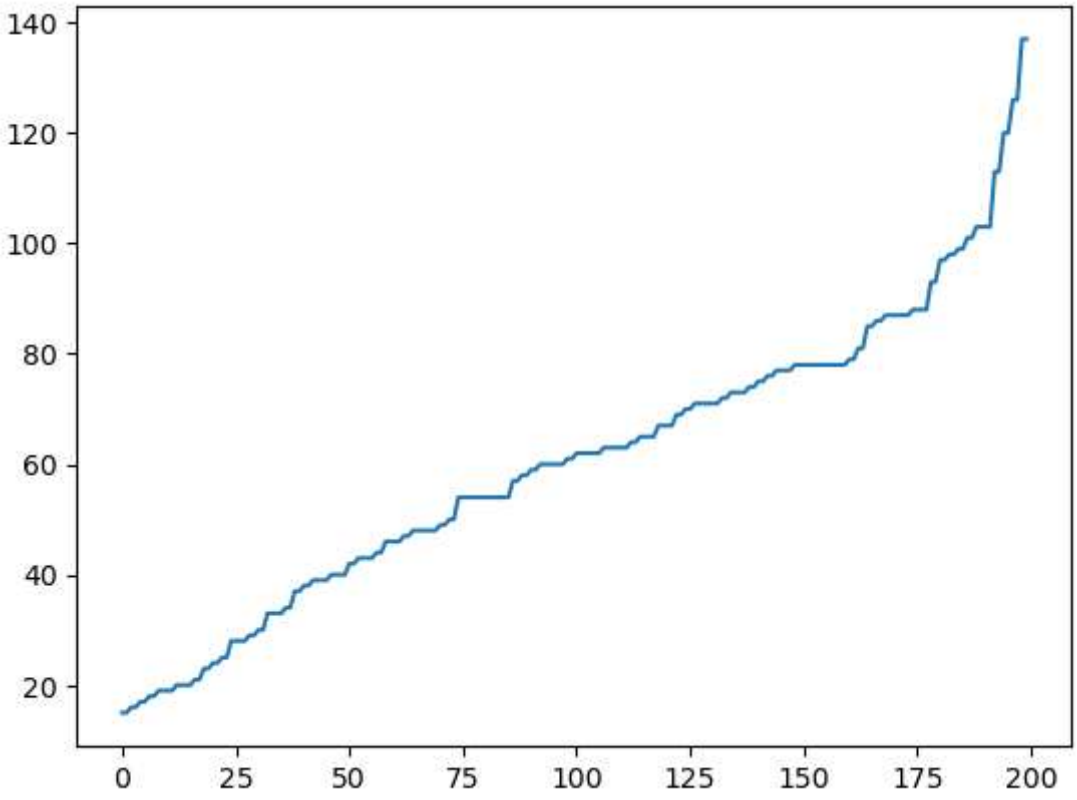
In [47]:
```
x=numpy.mean(y)
x
```

Out[47]: 50.2

In [48]:
```
import matplotlib.pyplot as plt
```

In [49]:
```
a=numpy.array(g,y)
```

In [50]:
```
plt.plot(a)
plt.show()
```

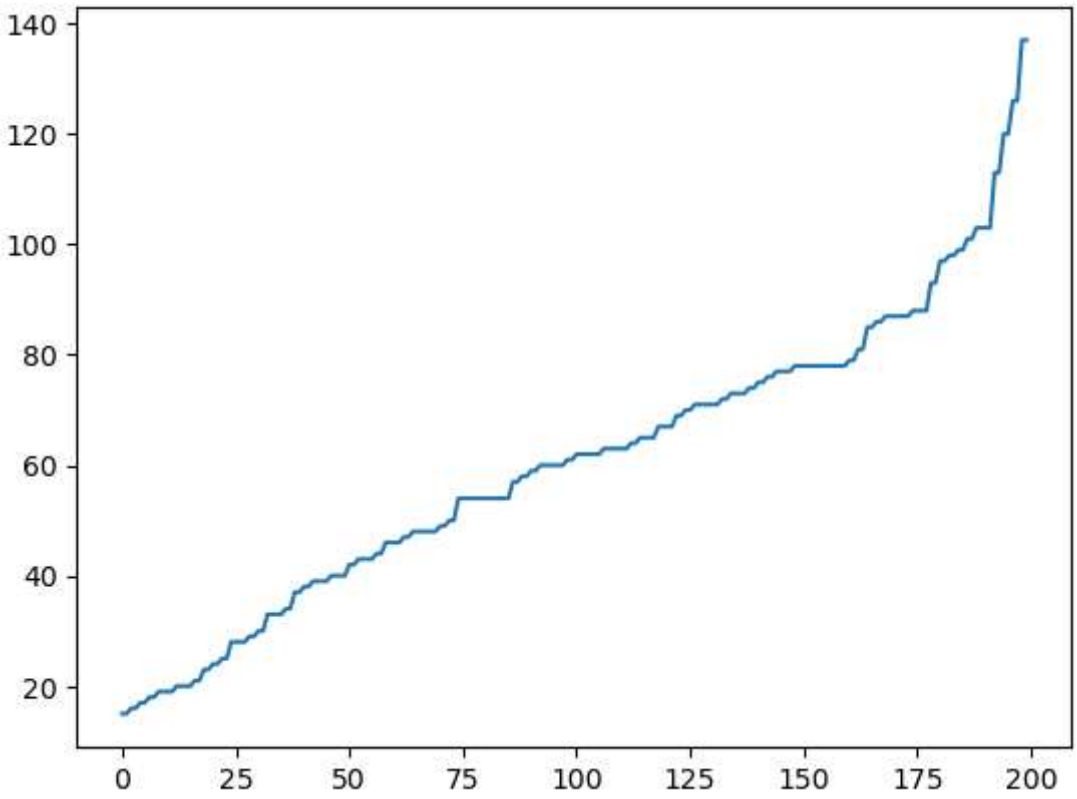


In [54]:
```
w=z['Age']
w
```

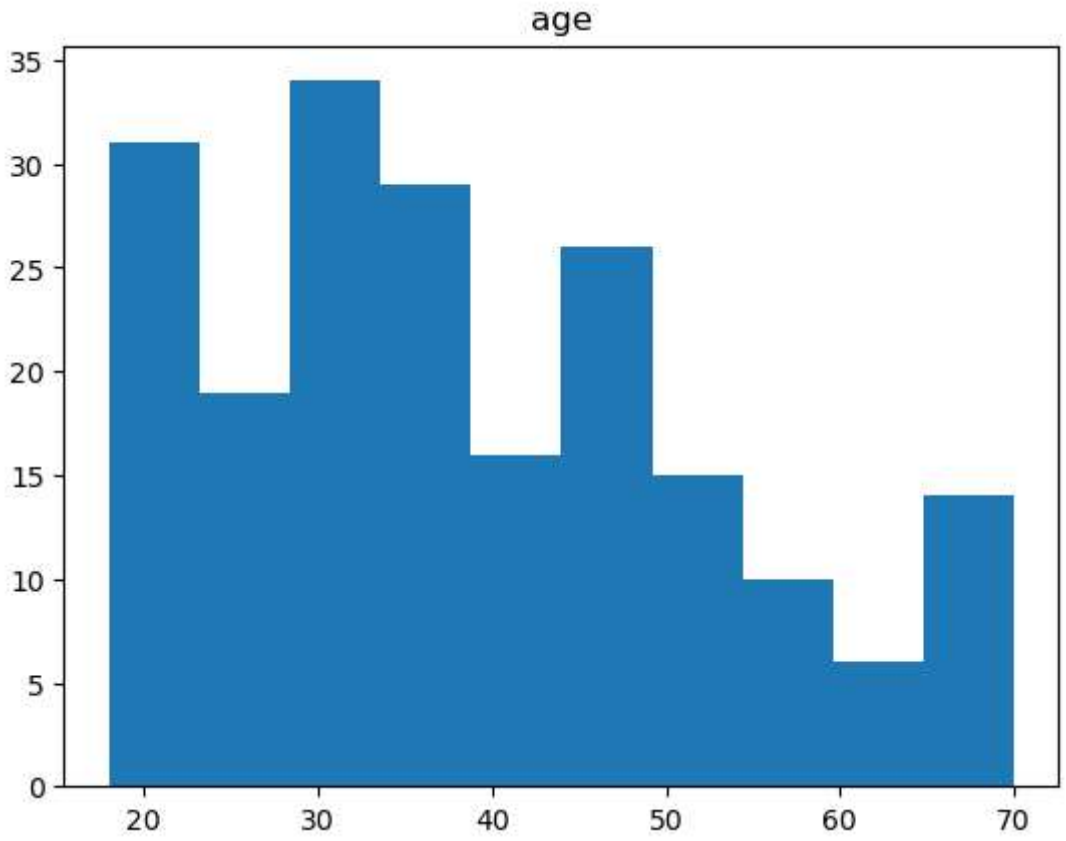
Out[54]:
```
0      19
1      21
2      20
3      23
4      31
       ..
195    35
196    45
197    32
198    32
199    30
Name: Age, Length: 200, dtype: int64
```

In [52]:
```
b=numpy.array(g,w)
```

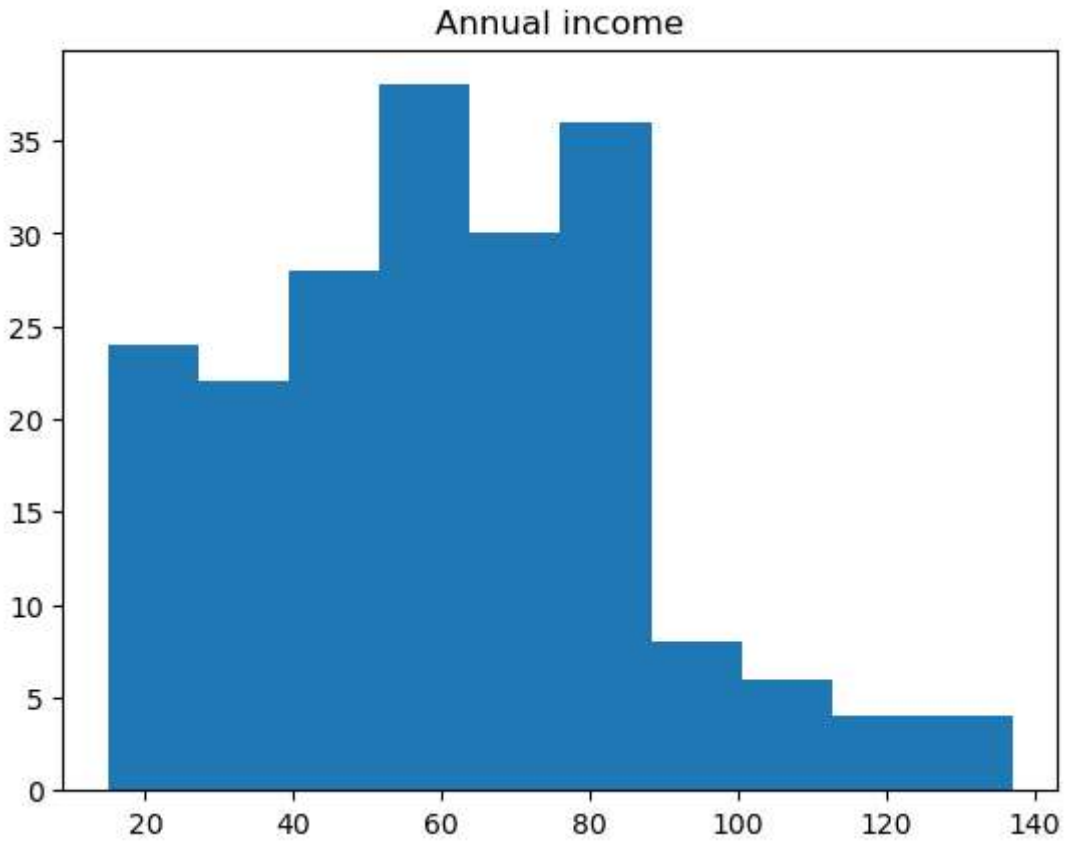
In [56]:
```
plt.plot(b)
plt.show()
```



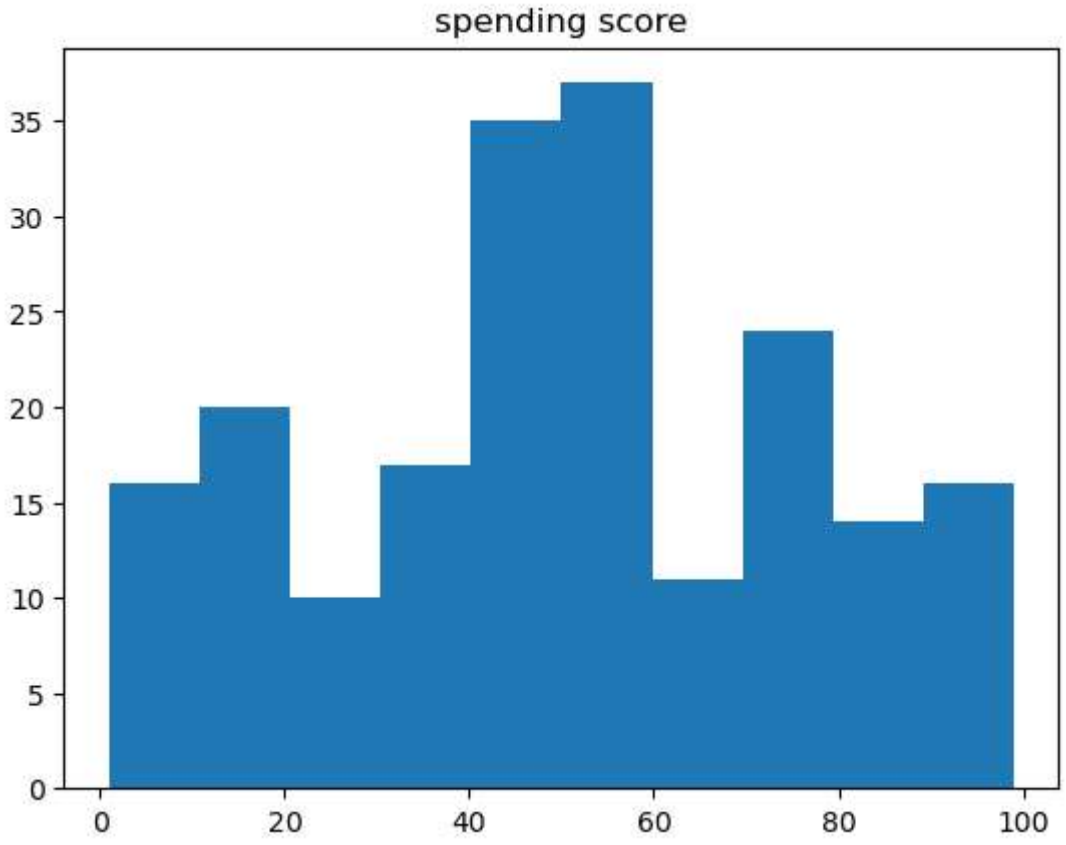
In [69]:
```
plt.title("age")
plt.hist(w)
plt.show()
```



In [70]:
```
plt.title("Annual income")
plt.hist(g)
plt.show()
```



In [71]:
```
plt.title("spending score")
plt.hist(y)
plt.show()
```



In [ ]: