In [33]:
```python
import pandas as pd
```

In [34]:
```python
df=pd.read_csv("weight.csv")
df
```

Out[34]:

	Gender	Height	Weight
0	Male	73.847017	241.893563
1	Male	68.781904	162.310473
2	Male	74.110105	212.740856
3	Male	71.730978	220.042470
4	Male	69.881796	206.349801
...	...	...	...
9995	Female	66.172652	136.777454
9996	Female	67.067155	170.867906
9997	Female	63.867992	128.475319
9998	Female	69.034243	163.852461
9999	Female	61.944246	113.649103

10000 rows × 3 columns

In [35]:
```python
df.drop("Gender",axis=1,inplace=True)
```
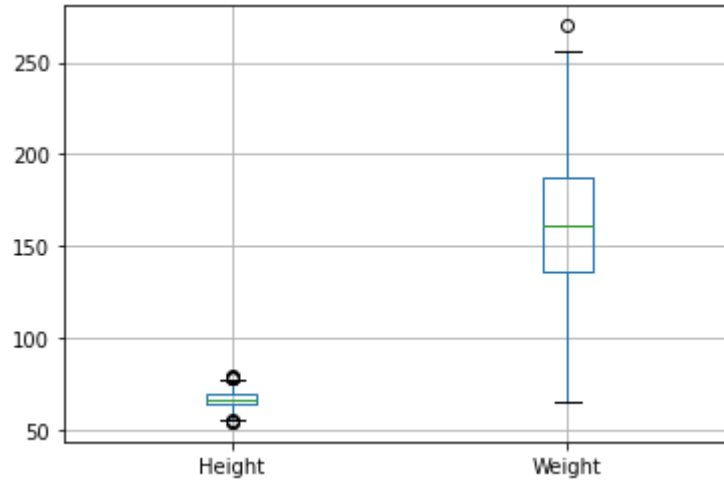
In [39]:
```python
df
```

Out[39]:

	Height	Weight
0	73.847017	241.893563
1	68.781904	162.310473
2	74.110105	212.740856
3	71.730978	220.042470
4	69.881796	206.349801
...	...	...
9995	66.172652	136.777454
9996	67.067155	170.867906
9997	63.867992	128.475319
9998	69.034243	163.852461

	Height	Weight
9999	61.944246	113.649103

In [38]:
```python
df.boxplot()
```

Out[38]: `<AxesSubplot:>`

In [40]:
```python
from scipy import stats
```

In [41]:
```python
import numpy as np
```

In [44]:
```python
z=np.abs(stats.zscore(df))
```

In [45]:
```python
z
```

Out[45]:

	Height	Weight
0	1.944061	2.505797
1	0.627537	0.027101
2	2.012443	1.597806
3	1.394060	1.825222
4	0.913421	1.398750
...	...	...
9995	0.050660	0.768151
9996	0.181839	0.293631
9997	0.649688	1.026730
9998	0.693125	0.075127
9999	1.149708	1.488507

10000 rows × 2 columns

```
In [46]: df1=df.copy()
```

```
In [47]: df1=df1[(z<3).all(axis=1)]
```

```
In [48]: df2=df.copy()
```

```
In [49]: q1=df2.quantile(0.25)
```

```
In [50]: q3=df2.quantile(0.75)
```

```
In [51]: IQR=q3-q1
```

```
In [53]: df2_new=df2[(((df2>=q1-1.5*IQR)&(df2<=q3+1.5*IQR)).all(axis=1)]
         df2_new
```

Out[53]:

	Height	Weight
0	73.847017	241.893563
1	68.781904	162.310473
2	74.110105	212.740856
3	71.730978	220.042470
4	69.881796	206.349801
...	...	...
9995	66.172652	136.777454
9996	67.067155	170.867906
9997	63.867992	128.475319
9998	69.034243	163.852461
9999	61.944246	113.649103

9992 rows × 2 columns