

```
In [2]: import pandas as pd
import numpy as np
```

```
In [3]: df= pd.read_csv(r'modelData.csv')
```

```
In [4]: df
```

```
Out[4]:
```

	Unnamed: 0	Partner	Dependents	tenure	PhoneService	MultipleLines	OnlineSecurity	Onlinef
0	0	1	1	12	1	0	0	
1	1	0	0	42	1	0	1	
2	2	1	0	71	1	1	1	
3	3	1	1	71	1	1	1	
4	4	0	0	30	1	0	1	
...	...	...	...	...	...	...	...	...
5629	5629	0	0	9	1	1	0	
5630	5630	0	1	60	1	0	0	
5631	5631	0	0	28	1	1	0	
5632	5632	0	0	2	1	1	0	
5633	5633	1	1	16	1	0	1	

5634 rows × 30 columns



```
In [1]: #basic if
age = 14
if age >=18:
    print("Adult")
else:
    print("child")
```

child

```
In [18]: #elif
num =2
if num > 0:
    print(num, 'this is positive number')
else:
    print(num, 'this is negative number')
```

2 this is positive number

```
In [6]: #iterating over the list  
mylist = [1,2,3,4,5]  
for i in mylist:  
    print(i)
```

1  
2  
3  
4  
5

```
In [12]: #sum of list  
mylist = [1,2,3,4,5]  
for i in mylist:  
    i +=i  
    print(i)
```

2  
4  
6  
8  
10

```
In [14]: num =2  
if num >0:  
    print(num, 'is a positive number')
```

2 is a positive number

```
In [16]: num=-2  
if num >0:  
    print(num, 'is a positive number')  
print('please enter a positive number')
```

please enter a positive number

```
In [19]: num = -5  
if num >0:  
    print(num, 'positive nummber')  
else:  
    print(num, 'negative number')
```

-5 negative number

```
In [21]: #elif to find number
num = 3.4
if num > 0:
    print(num, 'positive number')
elif num == 0:
    print(num, 'zero')
else:
    print(num, 'negative number')
```

3.4 positive number

```
In [22]: #elif to find type of person
age = 14
if age > 18:
    print('adult')
elif age > 12:
    print('child')
else:
    print('toddler')
```

child

```
In [26]: num = float(input("enter a number: "))
if num >= 0:
    if num == 0:
        print('zero')
    else:
        print('positive number')
else:
    print('negative number')
```

Input In [26]

```
if num >= 0:
    ^
```

**SyntaxError:** invalid syntax

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]:

In [ ]: