

```
In [1]: 1 num=6
        2 if num%2==0:
        3     print("Even")
        4 else:
        5     print("Odd")
```

Even

```
In [2]: 1 print("Even") if num%2==0 else print("odd")
```

Even

```
In [3]: 1 num=0
        2 result="Positive" if num>0 else("Negative")
        3 print(result)
```

Negative

```
In [4]: 1 num=0
        2 result="Positive" if num>0 else("Negative" if num<0 else "Zero")
        3 print(result)
```

Zero

```
In [8]: 1 L=[1,9,2,10,56,89]
        2 [x for x in L if x%2==0]
```

Out[8]: [2, 10, 56]

```
In [9]: 1 L=[1,9,2,10,56,89]
        2 [2*x for x in L]
```

Out[9]: [2, 18, 4, 20, 112, 178]

```
In [10]: 1 L=[1,9,2,10,56,89]
        2 [x for x in L if x%2!=0]
```

Out[10]: [1, 9, 89]

```
In [12]: 1 #To print the average value of the list of numbers using list comprehension
        2 L=[1,9,2,10,56,89]
        3 sum([x for x in L])/len(L)
```

Out[12]: 27.833333333333332

```
In [13]: 1 #Dictionary Comprehension
        2 d1={'Ram':[70,71,98,100], 'John':[56,78,67,65]}
        3 d1
```

Out[13]: {'Ram': [70, 71, 98, 100], 'John': [56, 78, 67, 65]}

```
In [15]: 1 {k:sum(v)/len(v) for k,v in d1.items()}
```

```
Out[15]: {'Ram': 84.75, 'John': 66.5}
```

```
In [ ]: 1
```