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

```
Even
```

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

```
Even
```

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

```
Negative
```

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

```
Zero
```

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

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

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

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

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

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

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

Out[12]:
```
27.833333333333332
```

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