

# Conditional Statement

```
In [ ]: # . If  
# . else  
# . nested if  
# . if elif else
```

```
In [2]: if True:  
    print('Data Science')
```

Data Science

```
In [5]: if False:  
    print('Data Science')  
print('bye for now ')
```

bye for now

```
In [8]: if True:  
    print('Data Science')  
print('bye for now ')
```

Data Science  
bye for now

```
In [12]: if True:  
    print('Data Science')  
else:  
    print('bye for now')
```

Data Science

```
In [13]: if False:  
    print('Data Science job')  
else:  
    print('no job')
```

no job

```
In [14]: x = 4  
r = x % 2  
  
if r == 0:  
    print('Even Number')
```

Even Number

```
In [17]: x = 5  
r = x % 2  
  
if r == 0:  
    print('Even Number')
```

```
In [20]: x = 5
r = x % 2
if r != 0:
    print('odd number')
```

odd number

```
In [21]: x = 4
r = x % 2
if r == 0:
    print('Event Number')

print('odd number')
```

Event Number

odd number

```
In [22]: x = 9
r = x % 2

if r == 0:
    print('Even Number')
if r == 1:
    print('odd number')
```

odd number

```
In [23]: x = 8
r = x % 2
if r == 0:
    print('Even number')
else:
    print('odd number')
```

Even number

```
In [24]: x = 9
r = x % 2

if r != 0:
    print('odd number')
else:
    print('Even number')
```

odd number

```
In [26]: x = 3
r = x % 2

if r == 0:
    print('Even number')
    if x>5:
        print('greater number')
else:
    print('odd number')
```

odd number

```
In [27]: x = 4
r = x % 2

if r == 0:
    print('Even Number')
    if x>5:
        print('greater number')
else:
    print('odd number')
```

Even Number

```
In [28]: x = 4
r = x % 2

if r == 0:
    print('Even number')
    if x>5:
        print('greater number')
    else:
        print('lesser number')
else:
    print('odd number')
```

Even number  
lesser number

```
In [34]: x = 13
r = x % 2

if r == 0:
    print('greater number')
    if x>5:
        print('greater number')
    else:
        print('lesser number')
else:
    print('odd number')
```

odd number

```
In [36]: x = 3
if x == 1:
    print('one')
if x == 2:
    print('two')
if x == 3:
    print('three')
if x == 4:
    print('four')
```

three

```
In [37]: x = 1
if x == 1:
    print('one')
```

```
elif x == 2:  
    print('Two')  
elif x == 3:  
    print('three')  
elif x == 4:  
    print('four')
```

one

```
In [38]: x = 5  
  
if x == 1:  
    print('One')  
elif x == 2:  
    print('Two')  
elif x == 3:  
    print('three')  
elif x == 4:  
    print('four')  
  
else:print('number not found')
```

number not found

```
In [39]: age = 19  
if age > 18: print("Eligible to Vote")
```

Eligible to Vote

In [ ]:

In [ ]: