

CONDITIONAL STMNTs

```
In [1]: if True:  
        print('hello')
```

hello

```
In [2]: if True:  
        print('hello')  
        print('how are you')
```

hello

how are you

```
In [3]: if True:  
        print('hello')  
  
        else:  
            print('bye for now')
```

hello

WRITE A PYTHON CODE TO CHECK WHETHER NUMBER IS EVEN OR NOT

```
In [4]: x = 4  
        r = x % 2  
  
        if r == 0:  
            print('even number')  
  
        if r == 1:  
            print('odd number')
```

even number

```
In [5]: x = 5  
        r = x % 2  
  
        if r == 0:  
            print('even number')  
  
        if r == 1:  
            print('odd number')
```

odd number

```
In [6]: x = 6  
        r = x % 2  
  
        if r == 0:  
            print('even number')  
  
        if r == 1:
```

```
print('odd number')
```

even number

```
In [7]: if True:  
        print('hello')
```

hello

```
In [8]: if False:  
        print('bye')
```

```
In [9]: # this is not correct way bcz it print both  
if True:  
    print('Data Science')  
  
print('bye for now')
```

Data Science
bye for now

```
In [10]: if False:  
         print('Data Science')  
  
print('bye for now')
```

bye for now

```
In [14]: # not correct way  
  
if True:  
    print('Data Science')  
  
print('Data Science')
```

Data Science
Data Science

```
In [13]: # correct way  
  
if True:  
    print('Data Science')  
  
else:  
    print('Data Science')
```

Data Science

```
In [16]: if False:  
         print('Data Science')  
  
else:  
    print('bye for now')
```

bye for now

write python code to check wheater number is even or odd

```
In [17]: x = 4

r = x % 2

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

Even Number

```
In [19]: x = 5

r = x % 2      # condition not satisfied , so it not displayed O/P

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

```
In [20]: x = 6

r = x % 2

if r == 0:
    print('Even number')

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

Even number

```
In [21]: x = 6

r = x % 2

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

Even number

```
In [22]: x = 6
r = x % 2

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

Even number

odd number

```
In [23]: x = 4
r = x % 2

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

Even number

```
In [24]: x = 5
r = x % 2

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

odd number

```
In [25]: x = 10
r = x % 2

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

Even number

```
In [27]: x = 9
r = x % 2

if r == 0:
    print('Even number')

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

odd number

NESTED IF

```
In [28]: x = 3
r = x % 2

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

else:
    print('Odd Number')
```

Odd Number

```
In [29]: x = 6
r = x % 2

if r == 0:
    print('Even number')

    if x>5:
        print('greater number')
    else:
        print('smaller number')

else:
    print('Odd Number')
```

Even number
greater number

```
In [30]: x = 4

if x == 1:
    print('one')
if x == 2:
    print('Two')
if x == 3:
    print('Three')
if x == 4:
    print('four')
```

four

```
In [31]: x = 10

if x == 1:
    print('one')
elif x == 2:
    print('Two')
elif x == 3:
    print('Three')
elif x == 4:
    print('four')
```

```
In [32]: x = 10

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 [ ]: num = int(input('Enter a number :'))

if num > 0:
    print('positive')
elif num < 0:
    print('negative')
else:
    print('zero')
```

```
In [ ]:
```