

```
In [47]: if True:
         print('Hello')
```

Hello

```
In [5]: if True:
        print('Hello')
        print('how are you')
```

Hello
how are you

```
In [7]: if False:
        print('Bye')
```

```
In [9]: if True:
        print('Hello')
        print('Bye for now')
```

Hello
Bye for now

```
In [13]: if False:
         print('Hello')
         print('Bye for now')
```

Bye for now

```
In [15]: if True:
         print('Hello')
         else:
             print('how are you')
```

Hello

```
In [19]: if False:
         print('Hello')
         else:
             print('Bye for now')
```

Bye for now

```
In [26]: x=4
         r=x%2
         if r==0:
             print('even number')
```

even number

```
In [49]: x=5
         r=x%2
         if r==0:
             print('even number')
```

```
In [51]: x=6
         r=x%2

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

```
else:
    print('odd number')
```

even number

```
In [34]: x=5
r=x%2
if r==0:
    print('even number')
if r==1:
    print('odd number')
```

odd number

```
In [45]: x=6
r=x%2
if r==0:
    print('even number')
else:
    print('odd number')
```

odd number

```
In [53]: x = 6
r = x % 2

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

Even number

odd number

```
In [55]: x = 4
r = x % 2

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

Even number

```
In [57]: x = 5
r = x % 2

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

odd number

```
In [59]: x = 10
r = x % 2

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

Even number

```
In [61]: x = 9
r = x % 2
```

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

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

odd number

```
In [63]: x = 9
r = x % 2

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

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

odd number

Nested If

```
In [65]: x = 3
r = x % 2

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

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

Odd Number

```
In [67]: 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 [69]: x = 4

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

```
if x == 4:
    print('four')
```

four

In [71]: x = 2

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

Two

In [77]: x = 10

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

In [79]: 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 [83]: num = int(input("Enter a number: "))

```
if num > 0:
    print("Positive")
elif num < 0:
    print("Negative")
else:
    print("Zero")
```

Zero

In []: