

```
In [11]: if True:
        print('hello')

hello

In [4]: if False:
        print('bye')

In [8]: if True:
        print('kareem')
        print('shaik')

kareem
shaik

In [19]: if True:
        print('kareem')
        print('shaik')

kareem
shaik

In [20]: if True:
        print("kareem")
        print('shaik')

kareem
shaik

In [24]: if False:
        print("kareem")
        print('shaik')

shaik
```

if else

```
In [26]: if True:
        print('kareem')
        else:
            print('shaik')

kareem

In [27]: if False:
        print('kareem')
        else:
            print('shaik')

shaik
```

Write a python code to check whether number is even or odd

```
In [32]: x = 4
        r = x%2
        if r == 0:
            print('even number')

even number

In [33]: x=5
        r=x%2
        if r==0:
            print('even number')
        if r==1:
            print('odd number')

odd number

In [39]: x=5
        r=x%2
        if r!= 0:
            print('odd number')
        else:
            print('even number')

odd number

In [40]: x=6
        r=x%2
        if r==0:
            print('even number')
        else:
            print('odd number')

even number

In [46]: x=6
        r = x%2
        if r==0:
            print('even number')
            print('odd number')

even number
odd number

In [47]: x=6
        r=x%2
        if r==0:
            print('even number')
            print("odd number")

even number
odd number

In [48]: x=6
        r=x%2
        if r == 0:
            print('even number')
            print('odd number')

even number
odd number

In [52]: x=5
        r=x%2
        if r==0:
            print('even number')
        else:
            print('odd number')

odd number

In [53]: x=5
        r=x%2
        x=6
        r=x%2
        if r == 0:print('even number')
        else: print('odd number')

even number

In [54]: x=5
        r=x%2
        x=6
        r=x%2
        if r != 0:print('even number')
        else: print('odd number')

odd number

In [55]: x=4
        r=x%2
        if r==0:
            print('even number')
        else:
            print('odd number')

even number

In [56]: x=3
        r=x%2
        if r==0:
            print('even number')
        else:
            print('odd number')

odd number

In [57]: x=3
        r=x%2
        if r!=0:
            print('even number')
        else:
            print('odd number')

even number

In [58]: x=3
        r=x%2
        if r==0:
            print('even number')
            if >>5:
                print('greater number')
        else:
            print('odd number')

odd number

In [59]: x=6
        r=x%2
        if r==0:
            print('even number')
            if >>5:
                print('greater number')
            else:
                print('smaller number')
        else:
            print('odd number')

even number
greater number

In [60]: x=6
        r=x%2
        if r==0:
            print('even number')
            if >>5:
                print('greater number')
            else:
                print('smaller number')
        else:
            print('odd number')

even number
smaller number

In [69]: x=7
        r=x%2
        if r==0:
            print('even number')
            if >>8:
                print('greater number')
            else:
                print('smaller number')
        else:
            print('odd number')

odd number

In [76]: x=7
        r=x%2
        if r==0:
            print('even number')
            if >>6:
                print('greater number')
            else:
                print('smaller number')
        else:
            print('odd number')

odd number

In [77]: x=4
        if x==1:
            print('one')
        if x==2:
            print('two')
        if x==3:
            print('three')
        if x==4:
            print('four')

four

In [79]: x=4
        if x==1:
            print('one')
        if x==2:
            print('two')
        if x==3:
            print('three')

In [82]: x=0
        if x==1:
            print('one')
        if x==2:
            print('two')
        if x==3:
            print('three')
        if x==4:
            print('four')

three

In [83]: x=0
        if x==1:
            print('one')
        if x==2:
            print('two')
        if x==3:
            print('three')
        if x==4:
            print('four')

three

In [87]: x=5
        if x==1:
            print('one')
        if x==2:
            print('two')
        if x==3:
            print('three')
        if x==4:
            print('four')

three

In [89]: x=4
        r=x%2
        if r == 0:
            print('even number')
        if x==1:
            print('one')
        if x==2:
            print('two')
        if x==3:
            print('three')
        if x==4:
            print('four')

even number
four

In [91]: x=4
        r=x%2
        if r != 0:
            print('even number')
        else:
            print('odd number')
        if x==1:
            print('one')
        if x==2:
            print('two')
        if x==3:
            print('three')
        if x==4:
            print('four')

odd number
four
```

Multiple if

```
In [94]: x=5
        r=x%2
        if r==0:
            print('even number')
        if x==1:
            print('one')
        if x==2:
            print('two')
        if x==3:
            print('three')
        if x==4:
            print('four')
        else:
            print('odd number')

odd number

In [95]: num=int(input("Enter a number"))
        if num>0:
            print('positive')
        elif num<0:
            print('negative')
        else:
            print('zero')

positive

In [96]: num=int(input("Enter a number"))
        if num>0:
            print('positive')
        elif num<0:
            print('negative')
        else:
            print('zero')

negative

In [99]: num=int(input("Enter a number"))
        if num!=0:
            print('positive')
        elif num<0:
            print('negative')
        else:
            print('zero')

positive

In [103]: num=int(input("Enter a number"))
        if num<0:
            print('positive')
        elif num<0:
            print('negative')
        else:
            print('zero')

zero

In [111]: x=6
        r=x%2
        if r==0:
            print('Even number')
            if >>8:
                print('Greater Number')
            else:
                print('Smaller Number')
        else:
            print('Odd Number')
```

