In [7]:
```python
x=2
if x<10:
    print("greater than ten")
    if x==2:
        print("value is two")
    else:
        print("less than ten")
```

greater than ten
value is two

In [13]:
```python
input("enter a num")
if input/1==int:
    print("even")
else:
    input/1==float
    print("odd")
```

enter a num2

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-13-12f2aacf4e4c> in <module>
      1 input("enter a num")
----> 2 if input/1==int:
      3     print("even")
      4 else:
      5     input/1==float

TypeError: unsupported operand type(s) for /: 'method' and 'int'
```

In [15]:
```python
num=int(input("Enter Your Number : "))
if num % 2 == 0:
    print("your Number", num ," is even")
else:
    print("your Number", num ," is odd")
```

Enter Your Number : 2
your Number 2 is even

In [22]:
```python
i=1
while i<6:
    print(i)
    i+=1
else:
    print("i is no more less than 6")
```

1
2
3
4
5
i is no more less than 6

In [23]:
```python
i=1
while i<6:
    print(i)
    if i==3:
        break
        print("im three")
    i+=1
    print(i)
```

```
1
2
2
3
3
```

In [5]:
```python
x = ["apple","mango","appricoat","cheery"]
for items in x:
    if items =="appricoat":
        break
    print(items)
```

```
apple
mango
```

In [7]:
```python
x = ["apple","mango","appricot","cheery"]
for items in x:
    print(items)
    if items==x[1]:
        break
```

```
apple
mango
```

In [17]:
```python
def x(value1,value2):
    print("sum is" , value1*value2)
x(2,3)
x(5,8)
```

```
sum is 6
sum is 40
```

In [19]:
```python
def x(*value):
    print("my name is" + value[4])
x("hamza","kumail","areeb","qaim","arsal")
```

```
my name isarsal
```

In [21]:
```python
def x(lastname, firstname):
    print("name of the student is" + lastname)
x(firstname ="arsal", lastname ="azhar")
```

name of the student isazhar

In [22]:
```python
def x(firstname="duet"):
    print("name of the student" + firstname)
x("karachi")
```

name of the studentkarachi

In [25]:
```python
def basket(fruits):
    for x in fruits:
        print(x)
        if x==items[2]:
            break




items=["apple","banana","cheery","mango"]
basket (items)
```

apple
banana
cheery

In [27]:
```python
def summtion ( val1 , val2):
    add= val1+val2
    sub= val1-val2
    mul= val1*val2
    return add,sub,mul
summtion(8,9)
```

Out[27]: (17, -1, 72)

In [30]:
```python
z=(int(input("enter first num")))
d=(int(input("enter second num")))
if  z<d:
    print(d)
if d<z:
    print(z)
```

enter first num5
enter second num4
5

In [34]:
```python
x = input("Enter the FIRST integer :")
y = int(x)
a= input("Enter the SECOND integer :")
b = int(a)
def range(value_1,value_2):
    if value_2 < value_1:
        print("maximum number is" ,value_1 )
        print("minimum number is" ,value_2 )
        return value_1
    else:
        print("maximum number is" , value_2 )
        print("minimum number is" , value_1 )
        return value_2
print(range(y,b))
```

```
Enter the FIRST integer :5
Enter the SECOND integer :6
maximum number is 6
minimum number is 5
6
```

In [38]:
```python
x = input("Enter the FIRST integer :")

def p(value):
    if value=="orange":
        print("yes")
        return value
p(x)
```

```
Enter the FIRST integer :aaa
```

In [ ]: