In [1]:
```python
x = 4
r = x % 2

if r == 0:
    print(x, 'is even number')
else:
    print(x, 'is odd number')
```
4 is even number

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

if r == 0:
    print(x, 'is even number')
else:
    print(x, 'is odd number')
```
5 is odd number

In [3]:
```python
x = 5
r = x % 2

if r == 0:
    print(x, 'is even number')

print(x, 'is odd number')
```
5 is odd number

In [5]:
```python
x = 8
r = x % 2

if r == 0:
    print(x, 'is even number')

print(x, 'is odd number')
#it prints both the statements as the number is greater value and needs to divid
```
8 is even number
8 is odd number

In [6]:
```python
x = 5
r = x % 2

if r == 0:
    print(x, 'is even number')
if r == 1:
    print(x, 'is odd number')
```
5 is odd number

In [8]:
```python
x = 8
r = x % 2

if r == 0:
    print(x, 'is even number')
if r == 1:
    print(x, 'is odd number')
if r == 2:
```

```
    print(x, 'is even number') #If condition runs through all the conditions men
    #so, it takes more memory if we use more no of if conditions which are not r
```

8 is even number

In [5]:
```python
# check number is ever or odd
# check number is greater or smaller

x = 4
r = x % 2

if r == 0:
    print(x, 'is even number')
if r == 1:
    print(x, 'is odd number')
if r == 2:
    print(x, 'is even number')
if x>5:
    print(x,'is greater than 5')
else:
    print(x,'is smaller than 5')
```

4 is even number
4 is smaller than 5

In [3]:
```python
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 [6]:
```python
x = 3

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')
```

Three

In [ ]: