conditional statement -

- if
- else
- nested if
- if elif else

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

```
Data Science
```

In [2]:
```
if False:
    print('Data Science')
print('bye for now')
```

```
bye for now
```

In [3]:
```
if True:
    print ('Data Science')
print ('bye for now')
```

```
Data Science
bye for now
```

In [5]:
```
if True:
    print('Data Science')
else:
    print('bye for now')
```

```
Data Science
```

In [6]:
```
if False:
    print('Data Science job')
else:
    print('no job')
```

```
no job
```

In [7]:
```
x = 4
r = x % 2

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

```
Even number
```

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

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

In [9]:
```
x = 5
r = x % 2
```

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

```
Odd number
```

In [10]:
```
x = 7
r = x% 2

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

```
Odd number
```

In [16]:
```
x = 5
r = x % 2

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

    print ('Odd number')
```

In [17]:
```
x = 4
r = x% 2

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

    print('odd number')
```

```
Even number
odd number
```

In [18]:
```
x = 9
r = x % 2

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

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

```
odd number
```

In [19]:
```
x = 8
r = x % 2

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

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

```
Even number
```

In [20]:
```
x = 8
r = x % 2

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

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

```
Even number
```

In [21]:
```
x = 3
r = x % 2

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

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

```
Odd Number
```

In [22]:
```
x = 4
r = x % 2

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

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

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

```
Even number
```

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

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

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

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

```
Even number
lesser number
```

In [24]:
```
x = 4
r = x % 2

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

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

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

```
Even number
lesser number
```

In [25]:
```
x = 3

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

```
Three
```

In [26]:
```
x = 1

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

```
one
```

In [27]:
```
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 [28]:
```
age = 19
if age > 18: print("Eligible to Vote.")
```

```
Eligible to Vote.
```

In [29]:
```
age = 22
if age > 18: print("Eligible to Vote ")
```

```
Eligible to Vote
```

In [4]:
```
age = 12
if age > 18: print("Eligible to Vote ")
```

```
else:
     print("InEligible to vote")
```

```
InEligible to vote
```

In [5]:
```
age = 19
if age > 18: print("Eligible to Vote ")

else:
     print("InEligible to vote")
```

```
Eligible to Vote
```

In [6]:
```
age = 28
if age > 18: print("Eligible to Vote ")

else:
     print("InEligible to vote")
```

```
Eligible to Vote
```

In [1]:
```
age = 18
if age > 18: print (" Eligible to driving licence")

else:
    print("Ineligible to driving licence")
```

```
Ineligible to driving licence
```

In [3]:
```
age =20
if age > 18: print (" Eligible to driving licence")

else:
    print("Ineligible to driving licence")
```

```
Eligible to driving licence
```

In [5]:
```
age = 199
if age > 18 : print (" Eligible to driving licence")

else :
    print("Ineligible to driving licence")
```

```
Eligible to driving licence
```

In [ ]:
```

```