Decision Making Statements

if

if Pseudo Code

if(Condition){ Statement to be executed } else{Statement to be executed }

In [4]:
```
print("Enter a number for A - ")
a = int(input())
print("Enter a number for B - ")
b = int(input())
if a>b:
    print("a is greater than b")
else:
    print("b is greater than a")
```

```
Enter a number for A -
2
Enter a number for B -
3
b is greater than a
```

In [5]:
```
# Above example - user asked for input
a = int(input("Enter a number for A - "))
b = int(input("Enter a number for B - "))
if a>b:
    print("a is greater than b")
else:
    print("b is greater than a")
```

```
Enter a number for A - 2
Enter a number for B - 3
b is greater than a
```

In [18]:
```
c=30
```

In [29]:
```
if a>b:
    print("a is greater than b")
elif (b>a & b>c):
    print("b is greater than a")
else :
    print("c is greater")
```

```
c is greater
```

In [ ]:
```
# if with tuple
```

In [4]:
```
tup1 = ('a','b','c')
if 'a' in tup1:
    print("a is present in tup1")
```

```
a is present in tup1
```

In [7]:
```
tup1 = ('a','b','c')
if 'z' in tup1:
    print("z is present in tup1")
else:
    print("z is not present in tup1")
```

```
z is not present in tup1
```

In [ ]:
```
#if with List
```

In [13]:
```
l1=['a','b','c']
if l1[1]=='b':
    l1[1]='z'
    print (l1)
```

```
['a', 'z', 'c']
```

In [ ]:
```
#if with Dictionary
```

In [22]:
```
d1 = {'k1':10,'k2':20,'k3':30}
if d1['k3'] == 30:
    d1['k3'] = d1['k3']+100
    print(d1)
```

```
{'k1': 10, 'k2': 20, 'k3': 130}
```