In [1]:
```python
# Flow control - Flow control describes the order in which statements will be executed at runtime.
# 1.conditional statements - if, if-elif, if-elif-else
# 2.Transfer statements - break, continue, pass
# 3.Iterative statements - for, while
```

In [2]:
```python
# conditional statements
# 1. if: Syntax: if condition: statement or if condition: statement-1 statement-2 statement -3
# if condition is true then statements will be executed.
```

In [4]:
```python
#eg:
emp1name=input("Enter the name:")
if emp1name=='jake':
    print("he is a developer")
print("goodbye")
```
```
Enter the name:jake
he is a developer
goodbye
```

In [5]:
```python
#2. if -else
# if condition: action-1 else: action-2
# if condition is true then action -1 will be executed otherwise action-2 will be executed.
```

In [6]:
```python
empsalary=int(input("Enter the salary:"))
if empsalary>80000:
    print("salary for a developer")
else:
    print("salary for common people")
print("goodbye")
```
```
Enter the salary:75000
salary for common people
goodbye
```

In [7]:
```python
#3. if-elif-else
# if condition1: action-1  elif condition2: action-2 elif condition3: action-3 else:default action
# Based on condition the corresponding action will be executed.
empsalary=int(input("Enter the salary"))
if empsalary>200000 and empsalary<300000:
    print('salary of a developer')
elif empsalary>300000 and empsalary<400000:
    print('salary of a manager')
elif empsalary>400000 and empsalary<500000:
    print("salary of hr")
elif empsalary<100000:
    print('salary of regular employee')
else:
    print("nothing")
```
```
Enter the salary345566
salary of a manager
```

In [8]:
```python
# note:
# 1. else part is always optional
# Hence the following are various possible syntaxes
# 1.if
# 2.if-else
# 3.if-elif-else
# 4.if-elif
```

```python
empsalary=int(input("Enter the salary"))
if empsalary>200000 and empsalary<300000:
    print('salary of a developer')
elif empsalary>300000 and empsalary<400000:
    print('salary of a manager')
elif empsalary>400000 and empsalary<500000:
    print("salary of hr")
elif empsalary<100000:
    print('salary of regular employee')
```

```
Enter the salary85000
salary of regular employee
```