Inheritence : Tranfering one class attributes or members to other class.

class Class1 :

$x = 10$

class Class2 :

$y = 20$

class1.x

class2.y

class2.x ✗

Inheritence : Tranfering one class attributes or members to other class.

class Class1 :
    x = 10

class Class2 (Class1) :
    y = 20

Class1.x

Class2.y

Class2.x

```python
class class1:
    x = 10                    # Parent  Base  Super

class class2(class1):         # child  Derived  Sub
    y = 20

print(class1.x)
print(class2.y)
print(class2.x)
```

```python
class class1:
    x = 10

class class2(class1):
    x = 20
```

class class1:
    x = 10

class class2(class1):
    x = 10
    x = 20

```python
class class1:
    x = 'python'
    @classmethod
    def showdata(cls):
        print(cls.x)
class class2(class1):
    x = 'django'
```

class class1 :
   x = ' python'
   @classmethod
   def showdata(cls):
      print(cls.x)

class class2(class1):
   x = 'python'
   @classmethod
   def showdata(cls):
   x = 'django'
   @classmethod
   def showdata(cls):
      print(cls.x)

```python
class class1:
    x = 'python'
    @classmethod
    def showdata(cls):
        print(cls.x)
class class2(class1):
    x = 'django'
```

```
class1.showdata()
```
python

```
class2.showdata()
```
django

class class1 :
    x = 'python'
    @classmethod
    def showdata(cls):
        print(cls.x)

class class2(class1):
    x = 'python'
    @classmethod
    def showdata(cls):
        print(cls.x)

    x = 'django'

```python
class class1:
  def __init__(self):
    print('class : class1')


class class2(class1):
  def __init__(self):
    print('class : class2')
```

```python
c11 = class1()
```

class : class1

```python
c21 = class2()
```

class : class2

```
class class1:
  def __init__(self):
    print('class : class1')

class class2(class1):
  def __init__(self):
    print('class : class1')

  def __init__(self):
    print('class : class2')
```