Python Inheritance in Hindi - Python in Hindi
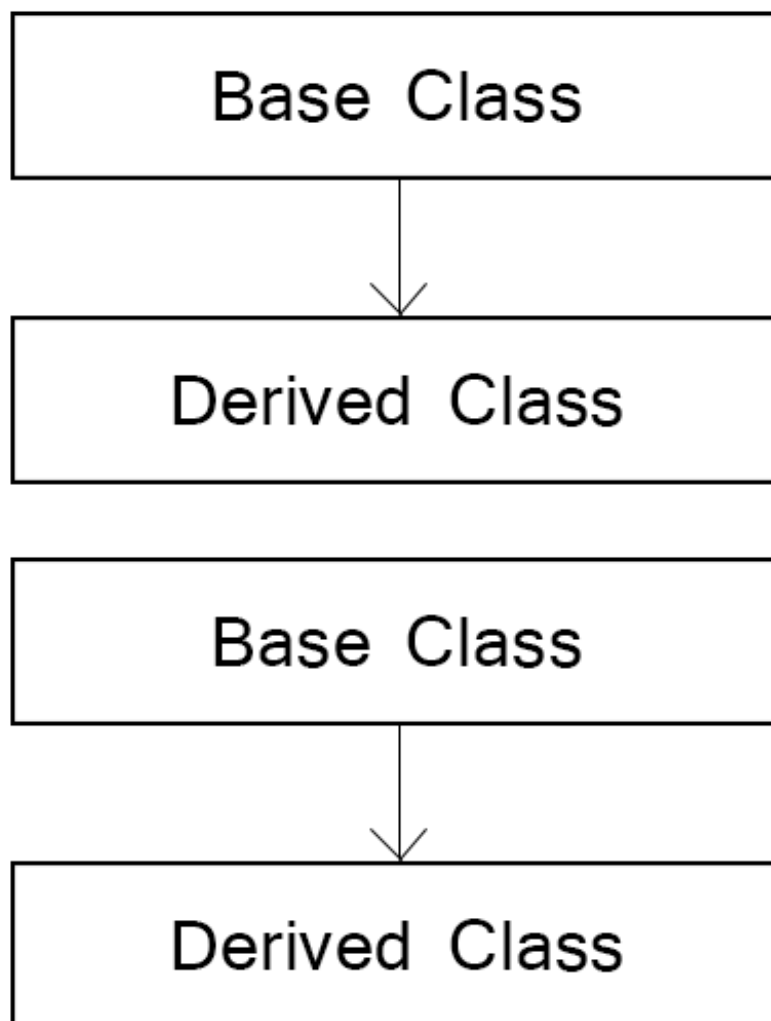
Python - Python Inheritance

Inheritance OOP(Object-Oriented Programming) का एक हिस्सा है | Inheritance में एक से ज्या classes होते है |

Inheritance में दो प्रकार के मुख्य class देना अनिवार्य होता है |

- **Base Class(Parent) :** Base class को super या parent class भी कहा जाता है |
- **Derived Class(Child) :** Derived class को sub या child class भी कहा जाता है | Derived class ये Base class की properties या attributes को inherit करता है |

Syntax for Inheritance/Single Inheritance

```
class Base:
 "This is a Docstring(Optional)"
 Base_Class_Body
class Derived(Base):
 "This is a Docstring(Optional)"
 Derived_Class_Body
```

Example For Inheritance in Python

Example पर Fitness Class के obj इस object से Employee Class की properties को inherit किया गया है |

Source Code :

```
class Employee:
 "Class Employee"
   def set1(self,empid,name,salary):
      self.empid = empid
      self.name = name
      self.salary = salary
class Fitness(Employee):
   "Class Fitness"
 def set2(self,height,weight):
      self.height = height
      self.weight = weight
   def display(self):
      print("id is",self.empid)
      print("name is",self.name)
      print("salary is",self.salary,"Rs")
      print("height is",self.height,"cm")
      print("weight is",self.weight,"Kg")

obj = Fitness()
obj.set1(1,"Rakesh",27000)
obj.set2(176,60)
obj.display()
```

Output :

```
id is 1
name is Rakesh
salary is 27000 Rs
height is 176 cm
weight is 60 Kg
```

issubclass() and isinstance() functions in Python

issubclass(subclass, superclass)
isinstance(object, class)

issubclass() ये function दिए हुए superclass का दिया हुआ subclass है या नही ये boolean value में return करता है |

isinstance() ये function दिए हुए class का दिया हुआ object है या नही ये boolean value में return करता है |

Source Code :

```
class Employee:
    pass
class Fitness(Employee):
    pass

obj1 = Fitness()
obj2 = Employee()

print(issubclass(Fitness, Employee))
print(isinstance(obj1, Fitness))
print(isinstance(obj2, Fitness))
```

Output :

True
True
False