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| **super()**  super() function returns proxy object  super() function is used to give access to methods and properties of a parent class  **Syntax**: super()  **Parameters**: No |

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| # super function calls parent constructor class Parent: # Is subclassed by: Child  def \_\_init\_\_(self): # Is overridden in: Child  print("Parent constructor")  class Child(Parent):  def \_\_init\_\_(self):  super().\_\_init\_\_()  print("Child Constructor")  c = Child()  Parent constructor  Child Constructor |

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| # super function calls parent constructor class Parent: # Is subclassed by: Child  def \_\_init\_\_(self, id, name): # Is overridden in: Child  print("Parent constructor")  self.id = id  self.name = name   def display(self):  print(self.id, self.name)  class Child(Parent):  def \_\_init\_\_(self):  super().\_\_init\_\_(101, "Admin")  print("Child Constructor")  c = Child() c.display() print(Child.\_\_mro\_\_)  Parent constructor  Child Constructor  101 Admin  (<class '\_\_main\_\_.Child'>, <class '\_\_main\_\_.Parent'>, <class 'object'>) |

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| **MRO**  Method Resolution Order (MRO) is the order in which methods should be inherited in the presence of multiple inheritance  A method in the derived calls is always called before the method of the base class. |

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| # super function calls parent constructor class GrandParent: # Is subclassed by:   Child  def \_\_init\_\_(self, id, name): # Is overridden in:   Child  print("Grand Parent Constructor", id, name)  class Parent(): # Is subclassed by:   Child  def \_\_init\_\_(self, id, name): # Is overridden in:   Child  print("Parent Constructor", id, name)  class Child(GrandParent, Parent):  def \_\_init\_\_(self):  print("Child Constructor")  # super().\_\_init\_\_(101, "Admin"), Invokes only grandparent constructor  GrandParent.\_\_init\_\_(self, 101, "NameOne")  Parent.\_\_init\_\_(self, 102, "NameTwo") c = Child() print(Child.\_\_mro\_\_)  Child Constructor  Grand Parent Constructor 101 NameOne  Parent Constructor 102 NameTwo  (<class '\_\_main\_\_.Child'>, <class '\_\_main\_\_.GrandParent'>, <class '\_\_main\_\_.Parent'>, <class 'object'>) |