

Write a Python program to implement the object-oriented concepts of multiple, Multilevel and Hierarchical Inheritances using your domain applications.

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In [ ]: #Multi Level inheritance
class ecommerce:
    def parent(self):
        print("This is parent class- Ecommerce")

class ecom_child(ecommerce):
    def child(self):
        print("This is Child class of parent Ecommerce")

class ecom_subchild(ecom_child):
    def subchild(self):
        print("This is Sub class of parent Ecommerce")

ecom=ecom_subchild()
ecom.child()
ecom.parent()
ecom.subchild()
```

This is Child class of parent Ecommerce
 This is parent class- Ecommerce
 This is Sub class of parent Ecommerce

```
In [ ]: #Multiple Inheritance
class ecommerce:
    def clothing(self):
        print("This is the clothing section")

class ecommerce2:
    def wardrobe(self):
        print("The is Wardrobe section")

class ecom_multi(ecommerce,ecommerce2):
    pass

ecom=ecom_multi()
ecom.clothing()
ecom.wardrobe()
```

This is the clothing section
 The is Wardrobe section

```
In [ ]: #Hierarchial Inheritance
class ecommerce:
    def clothing():
        pass

    def wardrobe():
        pass

class ecom1(ecommerce):
    def clothing(self):
        print("This is clothing section")

class ecom2(ecommerce):
    def wardrobe(self):
```

```
        print("This is Wardrobe section")  
  
ecomobj1=ecom1()  
ecomobj2=ecom2()  
ecomobj1.clothing()  
ecomobj2.wardrobe()
```

This is clothing section

This is Wardrobe section