	OOPS concept					
Sr.No.	Syntax/command	Output	Remarks			
1	init(self):		Initilization of a particular variable to			
			class			
2	self.name = name		Public variable			
3	selfsurname = surname		Protected variable (Encapusulation)			
			Divide veriable (Face veriables)			
4	selfyob = yob		Private variable (Encapusulation)			
5			You can only access this private			
	print(aditpersonname)		variable by appending the class name			
			before the variable			
6	import test1		For accessing code from one python			
			file into another			
7	from test2 import person		For importing specific class from			
			python file into another			
8	from utils.util import person2		For accessing class from a module(py			
			file) inside package(folder)			
9	students = "data science"		This is called data abstractiion as we			
			are trying to hide that data behind the			
			local variable. It is the process of			
			hiding the real implementation of an			
			application from the user and			
			emphasizing only on usage of it			
10	class ineuron:		Such data can be accessed only by			
	students = "data science"		appending class name before it with			
			single underscore.			
	def students(self):					
	print("print the class of					
	students",ineuronstudents)					
	i = ineuron()					
	i.students()					
	print(i_ineuron_students)					
	class car :		When u want to utilize entire code			
			from one class (parent class) into			
	def init (self, body, engine, tyre):		another class (child class) it is called			
	self.body = body		Inheritance. Here tata class will exactly			
	self.engine = engine		inherit car class			
	self.tyre = tyre					
	def mileage(self):					
	print("Mileage of this car")					
	class tata(car):					
	pass					

	class bank :		Multi level inheritance
	def transaction(self):		
	print("Total transaction value ")		
	def account_opening(self):		
	print("This will show you your account		
	opening status")		
	def deposit(self):		
	print("This will show you your deposited amount")		
	class HDFC_bank(bank):		
	def HDFC_to_icici(self):		
	print("This will show all the transactions		
	happend to icici from HDFC")		
	class icici(HDFC_bank):		
	pass		
	class bank:		Multple inheritance
	def transaction(self):		
	print("Total transaction value ")		
	def account_opening(self):		
	print("This will show you your account		
	opening status")		
	def deposit(self):		
	print("This will show you your deposited		
	amount")		
	def test(self):		
	print("This is test method from bank")		
	class HDFC_bank:		
	def HDFC_to_icici(self):		
	print("This will show all the transactions		
	happend to icici from HDFC")		
	def test(self):		
	print("This is test method from HDFC		
	bank")		
	class ineuron_bank:		
	def account_status_icici(self):		
	print("Print a account status in icici")		
	class icici(bank , HDFC_bank, ineuron_bank):		
11	class ineuron:	data analytics	In run time you can overwrite the
	definit(self):		value of the variable
	self.students1 = "data science"		
	i = ineuron() i.students1 = "data analytics"		
	print(i.students1)		
12	class ineuron1:		In run time you cannot change the
	definit(self):		value of variable that is private but can
	selfstudents1 = "data science"		only be changed if a function is
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	i1ineuronstudents1 = "data analystics" i1.students1()	defined to reassign the value. This is called as encapsulation. It puts
	def students_change(self):	restrictions on accessing variables and
	selfstudents1 = "Big data"	methods directly and can prevent the
	def students_change_to(self, new_value):	accidental modification of data
	selfstudents1 = new_value	
13	class ineuron:	Polymorphism means multiple forms.
		It is the property where a single
	def students(self):	function performs in varied different
	print("Student details")	ways based on the values.
	class class_type:	
	def students(self):	
	print("print the class type of students")	
	def ineuron_external(a):	
	a.students()	
	i = ineuron()	
	j = class_type()	
	ineuron_external(i)	
	ineuron_external(j)	
14	a is b	Evaluate whether identifiers a and b
		are aliases for the same object
	a == b	whether the two identifiers reference
		equivalent values
14	super(). init (customer, bank, acnt, limit)	Calls the init method that was
		inherited from the parent class or
		superclass and is initiated in child class
		or subclass
15	palette = warmtones	Both alias and subsequently add or
		remove colors from "palette," we
		modify the list identified as
		warmtones.
16	palette = list(warmtones)	This will create a shallow copy of
		warmtones
17	palette = copy.deepcopy(warmtones)	In <i>deep copy</i> new copy references its
		own copies of those objects
		referenced by the original version.