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	Class: BSAI (IV-Sem)	
	Subject: Prog for AI	
	Submitted To: Ms. Anab Botool	
	Assignment # 04	
and Michigan		
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Qu	Describe the concept of polymorphism	
	in pathon.	
-5	· Method over Jacdina	
	· Method overriding	
,	· Method overriding · Operator overloading	. le G
	and the house of the good and the state of the same of	-
Ane	Polymorphism:	
	o pytohon, polymorphism is a	riqi n
	fundamental concept that allows objects of	
	different types to be treated as if they	
	promoting flexibility. It's based on the idea	
	that objects can take an many forms	
	and the same method name can be have	
	differently based on the of object it's	
	called on.	
	Method Overloading:	
	In larguages like java or C++, method overloading refers to defining multiple	
	method overloading refers to defining multiple	

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a respective	methods in the same class with the same	
	t litterest parameters. Lither Const	
	a t moth I war leading in the wine	A service of the serv
	because it doesn't allow multiple memory	
	with the same name differing only by	
	Con achieve	
-	Similar effect by using default parameter values or variable-length arguments.	
	Similar effect by wing acrease for	the state of the s
-	Values or variable-length organiers	h.
		Commission
	Method overriding:	
Alexander of the second	Method overriding occurs when a	
and delivered court	subclass provides a specific implementation of	interesting.
***************************************	a method that is already defined in its	and the same of th
	superclass. This colour the subclass to	
	provide a ser specialized version of the	and the state of the state of
	method while still maintaining the same	
	method signature as the superclass. Python	
	method signature at the supercrassingmen	
	supports method overriding through inheritance.	
-	When a subclass defines a method with	
	the same name as a method in its	
	superclass, the sublasse's method overrides	
	the superclose's method.	-
1	the second of th	
	Operator Overloading:	
	Operator overloading allows operator	
	percor examine avenue of the	
The second secon	such as '+', -', 'x', etc, to behave differently	
	based on the operands they are applied to.	
	In pyth python, this is achieved by desiring	
	special methods with itent double underscare	
	(e.g.,add,sub,mul) corresponding	
	to each operator. When an operator is used	
	to earn about they an about the	

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	an objects of a class that defines	
	these special methods, pathon invokes	
	those methods to perform the appropriate	
	operation. This enables custom behavior	
	for operators based on the opperand's	
	types.	
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		Tables.
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