OOPS

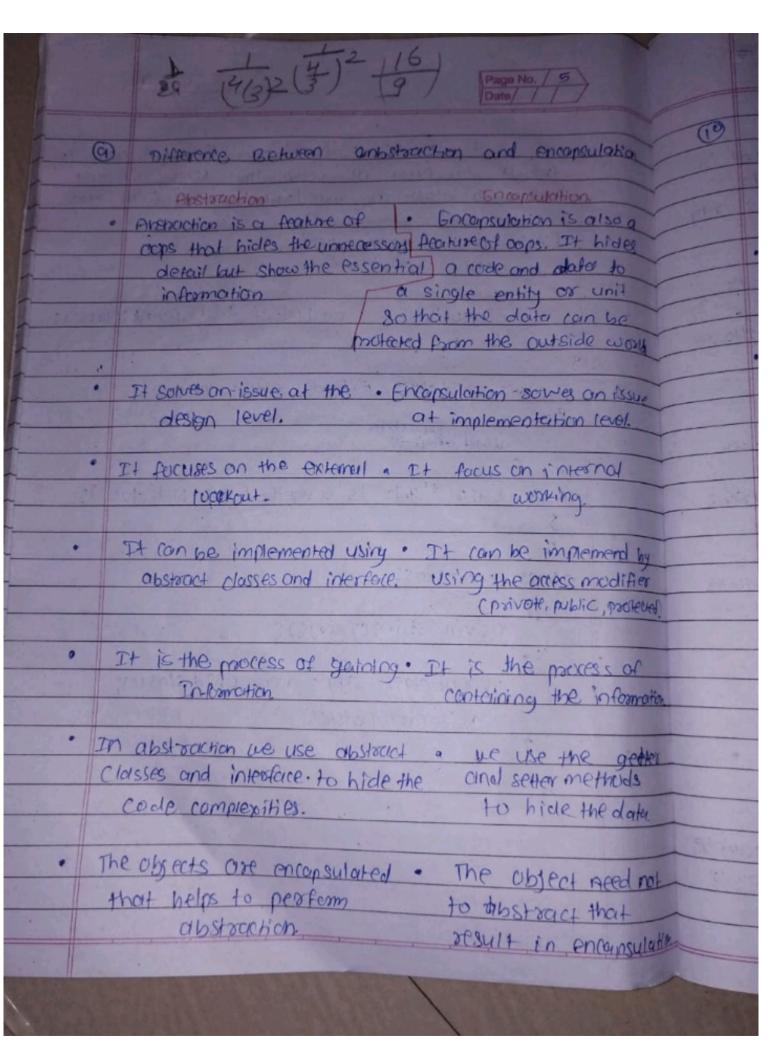
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	49	The state of the s	1
	3	what is inheritence in Java?	Ans:
H	- Ans:-	The technique of greating a new class by	AID
1		existing class functionality is called inheritance	ml :
-	CONTRACTOR OF STREET	in Java. In other words, Inheritance is a process	
H	The Late of	and behavious of the posent Class.	
H	200400	and pertitions of the power class.	
	(0)	superclass and subclass?	19.31
1			
	HILLS CO	A class from where a subclass inherits from	
H	William Land	features is called superclass. It is also called	- 6
		base dass or parent class	10 40 144
		A class that inherits all the members (Aleid.	Biro
	0.000	method and nested classes) from another class	11 15 8
ı	3.57	is called a subclass. It is also , called	
		as child class, destred class arettends class	
ı	i see	Continuent death of the continuent	Total Barrier
	3	How is inheritance implemented a chieved in som	7
	Ans!	Inheritence can be implemented or achieved	
	Hot ANT	by using, two keywords.	
	and I are	extends: extends is a keyword that is used for	
		developing inheritance between two classes and	
		two interfaces.	
E		Implements: Implements keywood is used for	
	4-1-4	decloping the intestage between a class	
		Innemtence	
	WALL TO	and interface	
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	1	white is an
-	0	what is parymorphism ?
NO PERMIT	MS!	polymorphism in oup is the ability of an
ence		tende several frams. In the allege
229907		It seems to the ability of an object for a reference
res .		to (11. On) e(t) to telke different forms of whiche
(3)	-	It allows to a common data- gathering message to
	-	be sent to each class. polymorphism encourages
REEL STATE		carried extensioning which means an
10)		Objects or a class can have its uses extend.
ed	5)	Difference had some smaller had be
Set like	0	Difference between method overloading and oversoling -
1011		a lower to
16(q'		Despiding - Overloading -
ass	THE STATE OF	· Implements auntime . Implements compile time -
		polymorphism polymorphism -
		The method call is defermine . Method call is
	1284	at runtime base ont the object determined at compile -
h 3047		type. time.
ed		occurs between superclass - occurs between the methods -
		and subclass the same class -
		· Have the same signature (. I take the same name -
for		name and method argums), but the parameters are -
1000	B 8	different -
1000	119	on exercity the effect will be on exect, it can be
		visible at runtime paught at compile the
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	If we try to inherit final class, then the compiles i
	throws an error at complication time, we can't
	a cross as immutable without final class.
ally	Pinal class parent classs
	World ShowDatas
n	2 minimize the second of the s
Spoot's	sysoci This is a method of final parent class");
	3
	class child class extends parent class
thod	Void shoudated
Kompter	E and the state of
e	syso(11 714s is a method of child class");
	9
2 1 1 1 1 1	word of the state Billian and the state of t
	class mainelass
	ps vm (string to args) {
e	E movent class obj = new child class();
	abj-show Date(0)
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	This is a state of the state of

Pege No. / 6 10 Difference between puntime and compile time polymosphism explosin with an example ion · comfile time polymosphism is less · puntime polymosphism is prexible as all things executed at more flexible as all compile time. thing exeruse at runtime. 216 · In comptle time protymosphism the · In Runtime polymosphism cull is resolved by compiler. the cull is resolved by compiler. 10 · Inheritance is not invoked · Inheritance is invoked. . It is also known as static binding, . It is also known as duramic Genty binding and overloading aswell binding lake binding and oversiding as well OTH provides fast execution because . It provides slow execu 9) the method that needs to be tion as composed to easily executed is known early at binding because the method that needs to be executed the compile time. is known at runtime. · method overriding is the omethod overloading is compiletime rulymosphism where mose than one nuntime polymonphism having the same method method shares the same name with with some pasameters different parameters or sprature signature but associate and different return type. with composed, diffsent alcisses



Page No. / 6 (3) what is abstraction explain withou example? Ans! Abstraction is nothing but the quality of dealing with ideas rathater than events. It basically deals with hidding the internal class and showing the essential thing to the usen Alastract class sports & 11 abstract class sports Abstract unid jump co; 11 abstract method what is difference between an abstract method and final method in Java? Exprain with an exomor The abstract method is incomplete while the ANS' final method is segasded as complete. The only way to use an abstract method is by overriding it, but you can not evernide a final method in java (8) what is final class in java? A class declared with the final keyword is .Ang!known as the final class. A final class can't be inhersted by subclasses. By using final class, we restrict the inheritence of the class we can coease a class as a final class only if it is complete in nature. which means it must not be an abstract class. In Java, all the wrapper classes use final classes like string Integer etc.