	what is Inheritance in Jan?
And	Inheritance is a fundamental features of
	object Oriented programming (OOP) in java.
	The allows a clays to inherit properties
	and methods from another class, known
	as the parent or superclass. It is achieved
	wing "contends" keyword
	- 1 - Hall
2)	what is Superclass and Subclass?
AND	A class from where subclass inherits features
	is called Superclass. It is also called base
	class or parent class.
	A class that inherits all the members (field).
	mothods, & nested classes from another class is
201	Called a subclass of is also called a contract
30	derived child or extended class.
1,51.0.1	
3)	How is Inheritance implemented achieved? by using two keywords:- extends - used for developing the inheritance
Ans	by using two keywords:
0	extends - used for developing the inheritance
	blu two classes & two interface.
(1)	Implement - used for developing the inheritance blue a class & interface.
	b w a class & interfact.
	4
4)	What is polymorphism?
Anc	Polymorphism in ools is the ability of an
	lolymorphism in ools is the ability of an entity to take several forms. In other words,
	it refers to the ability of an object to take different form of objects.
	take different from of objects.

Difference ble Ourlooding and method Oversidi Method overloading is a service booken with a class to have multiple methods at the a Name name but different parameters.
The method (all is determined at Compele Method over ding - that allowed subclass to provide it own implemente of a method short is already defined in its superclass. The purpose of overriding is to modify or extend behaviour of a superclass method in the subclass Attion midges ? nortraction is eithous (à Abstraction concept that allows a programmer to focus on assential features of an object while piding unnecessary details. Abstract class Sports Abstract Void jump ();



(F	Difference blue an abote act and final
	method?
And	The abstract method is incomplete while
	the final method is regarded as complete.
	The Only way to use an abstract
	method is by averriding it, but you
. 4	Carnot override a final method in jour.
<u> </u>	What is the final class? A final class is a class that Cannot
70/	A Dival clay is a class that Cannot
HNS)	be subclassed once à class is
	marked as final, it connot be extended
	marked as five it office class. This
	or inherited by any other class. This
	means that a final class carnot be
	used as a superclass by any other
	class.
2)	Difference blu abstraction e encapsulation
7	Moderation is the process of facusing on
(4ns)	Abstraction is the process of facusing on essential features of an object, while
	hiding unnecessary details. An abstract
A	closs is a class that cannot be instantiated
	Lis meant to be subclassed.
	L 12 WILLIAM SO DE SAUCESTA
	a sullation is the process of hiding the
	Encapsulation is the process of hiding the implementation details of an object from
	the outside world & restricting access
	to the iternal state of the object.
	Achieved through (public, private, protected)
	& getter & setter mothads.
	by Walter a Justice III and a second

The state of the s

10) Difference b/w complime time and sun time polymorphism. And Complie Compile time polymorphism, also known as method overloading, occurre when multiple methods in a class have the same name but different parameter Eq - public class Calc & public double add (double x, double y) return x + y = y Runtime polymorphism, also known as method averriding, occurs when a subclass provides a different implementation of a method that is defined in it's Superclass.

DATEPAGE No	
Eq -	
Public class Arrival { public void speak () { System out private ("An anim } Public class Cat extends Arrival & { @ Overvide public void speak () { S.O.P ("Meow !!");	nal ")
Arimal an: = new Arimal (); Arimal an: = new Cat (); an: Speak (); -> method of animal an: Speak (); -> method of Cat i. overridaten.	ę