ABHISHER DHAR 23201 E-10 ZO-THISMUPDIZUA Title > Interface in Java Aim > Design and develop Context for given case study and implement interface for vehicles, Consider vehicles, car, bicycle, bike. All vehicle have common functionalities such as gear change, speed up and apply brakes. Make an interface and put comman functionalities. Bicycle bike Car should be implemented this functionalities, in their own way Objective > To understand interface in Java. 2) What is interface in Java? > It is a reterance in Java which is collection
of abstract methods.

> A class implements an interface, thereby inheriting abstract methods. 2) Syntax to declare interface > > Writing an interface is similar to write a class.

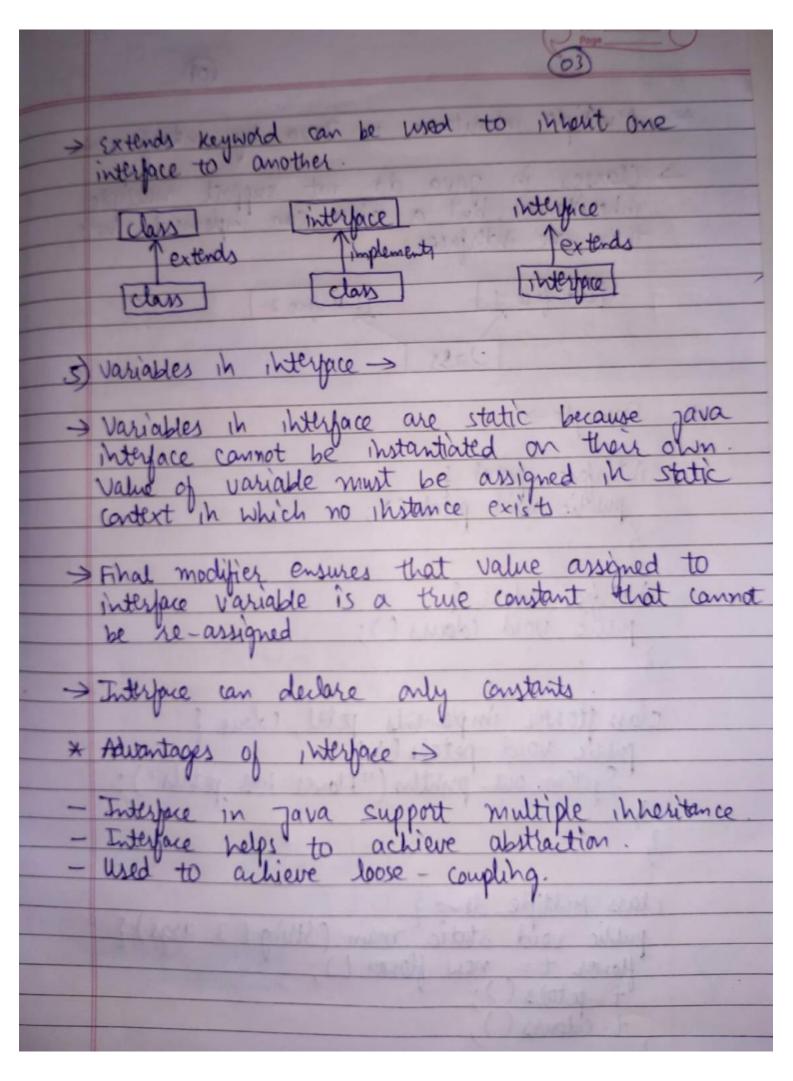
Interface contains behaviours that class implements. > Syntax >
interface interface name {
// methods declared in body

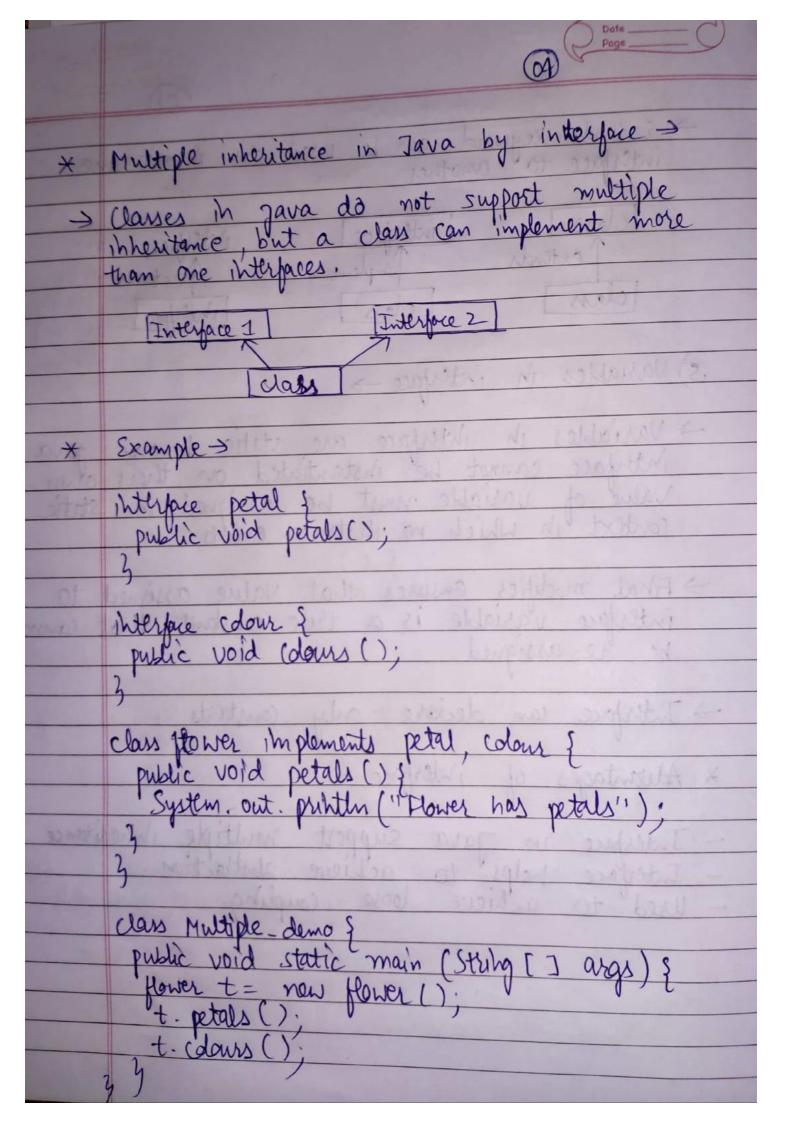
class class-name implements interface name > A class uses implements keyword to implement Example of interface > class square implements Shape {

public void area () {

System.out.publin ("Area = "+ (side) \* \* \* 2) class interface demo f public static void main (string [] args)
square s = new square ().

s. area (); 4) Relationship b/w classes & interface > > A class can inherit an interface unlig implements Keyword.







		Page
-	Interface can inherit to	one or more interfaces
-	) J. M.	ends does not provide
_	Interface also supports	multiple inheritance in Java.
*	Diagram >	7 Estore physo
	[interpace 1]	interface 2
1	class	100 th: 1000
*	Interface ve Abstract class >	
	Interface	Abstract class
)	Contains method decelaration only not implementation.	1) Contains one or more abstract methods which are implemented by its child classes.
2)	It is pure abstract	2) It is a class pretixed
Spring	class which starts with interface Keyword.	2) It is a class pretixed With abstract Keyworld Jollowed by class destination
3)	contains all abstract methods and final variable declarations	3) It can also contain non-abstract methods
4)	Useful in situation Where properties should be implemented.	4) Useful where some general methods are used and some methods are implemented in child class.

