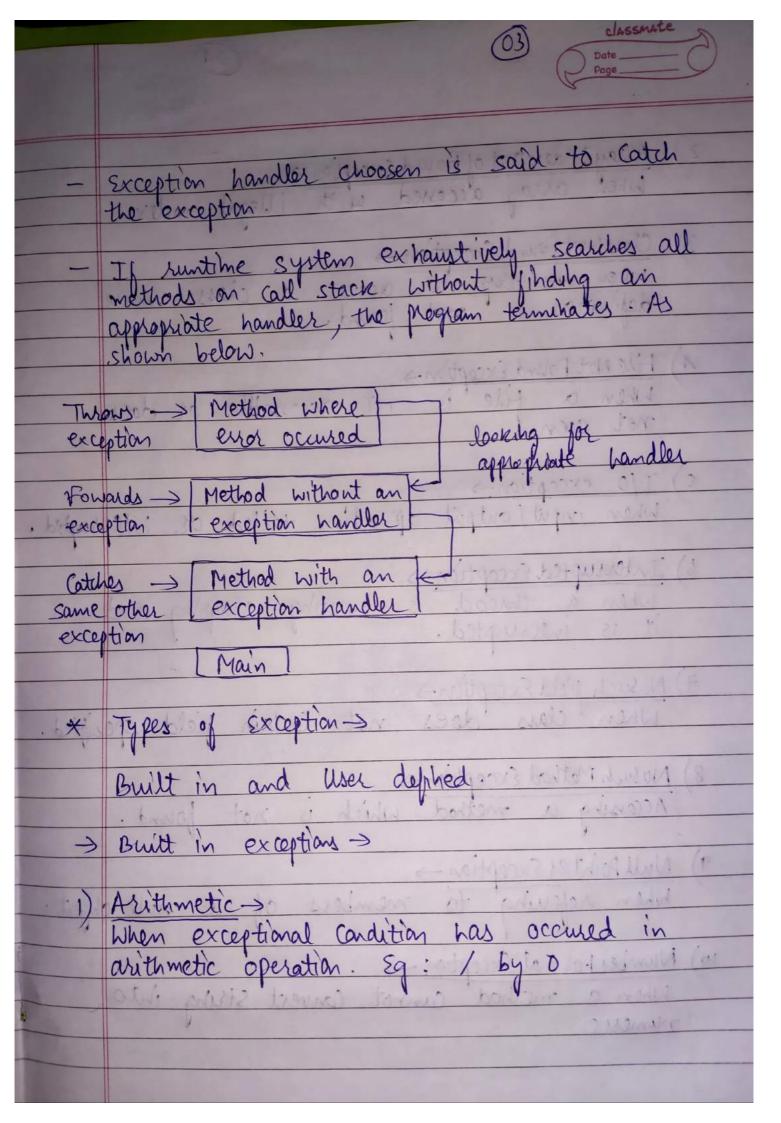
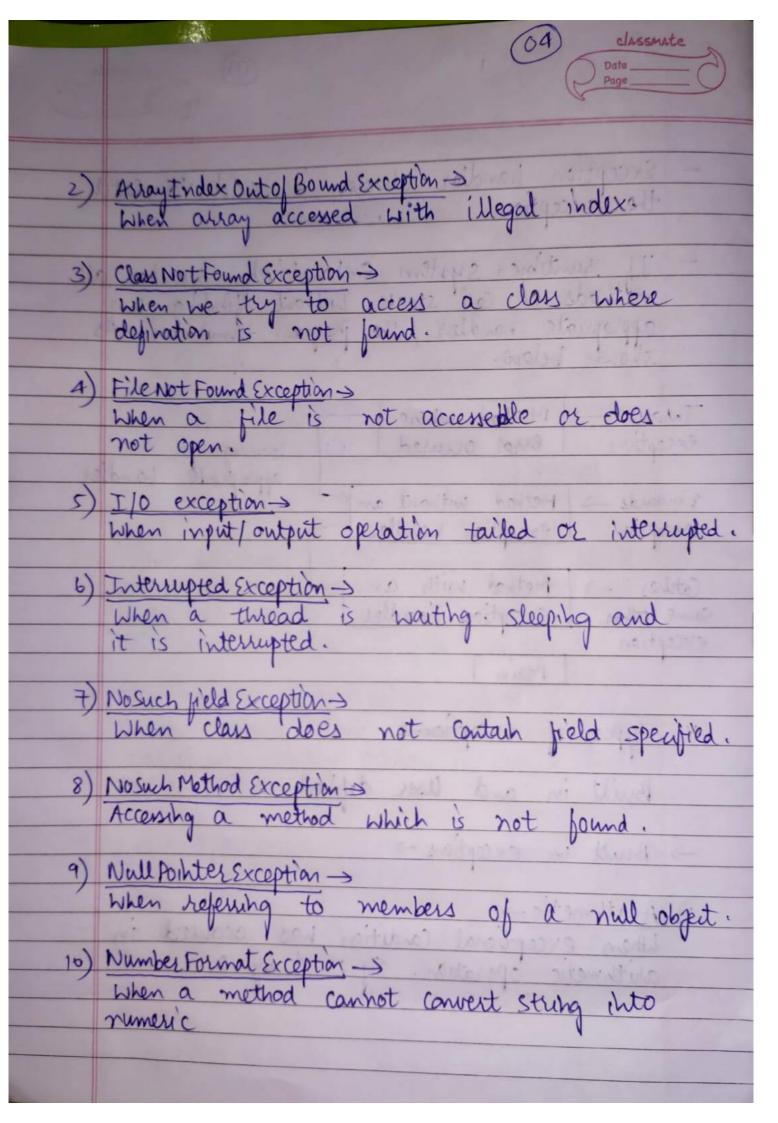
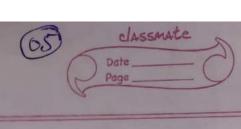
	ABRISHER DHAR 61) Date Date
	23201 Page
	2-10
	ASSIGNMENT-06
	beauto rous such margary to state
	EXCEPTION HANDLING
	Title > Exception Handling
	Aim > Implement a program to handle arithmetic
4	exception away index out of bounds user enters
	array of elements. Average of elements is displayed.
	It numbers were not integers, program would
	throw a no format exception if there are zero
	throw a no format exception. If there are zero elements, program would throw Arithmetic exception
	and display it.
	Original To will water to Chan the 111 111
	Objectives > To understand Exception Handling.
	Theory -> softpood along tout
	This block is tale Excertion handles
,	What is an exception?
	ADDRESS OF THE PROPERTY OF THE PARTY OF THE
_	This term is a shortand for "exceptional event"  It occurs during execution of a program, that  disrupts natural flow of program.
	- It occurs during execution of a program, that
	disrupts natural flow of program!
•	- Exception Handling
	131 bush of methody /sling multing
0.0	When an error occurs within a method,
	method creates an object and hands it off to
	I della de la
	- The object called an 'exceptional object' contains information about error, including its type and
	information about error including its type and

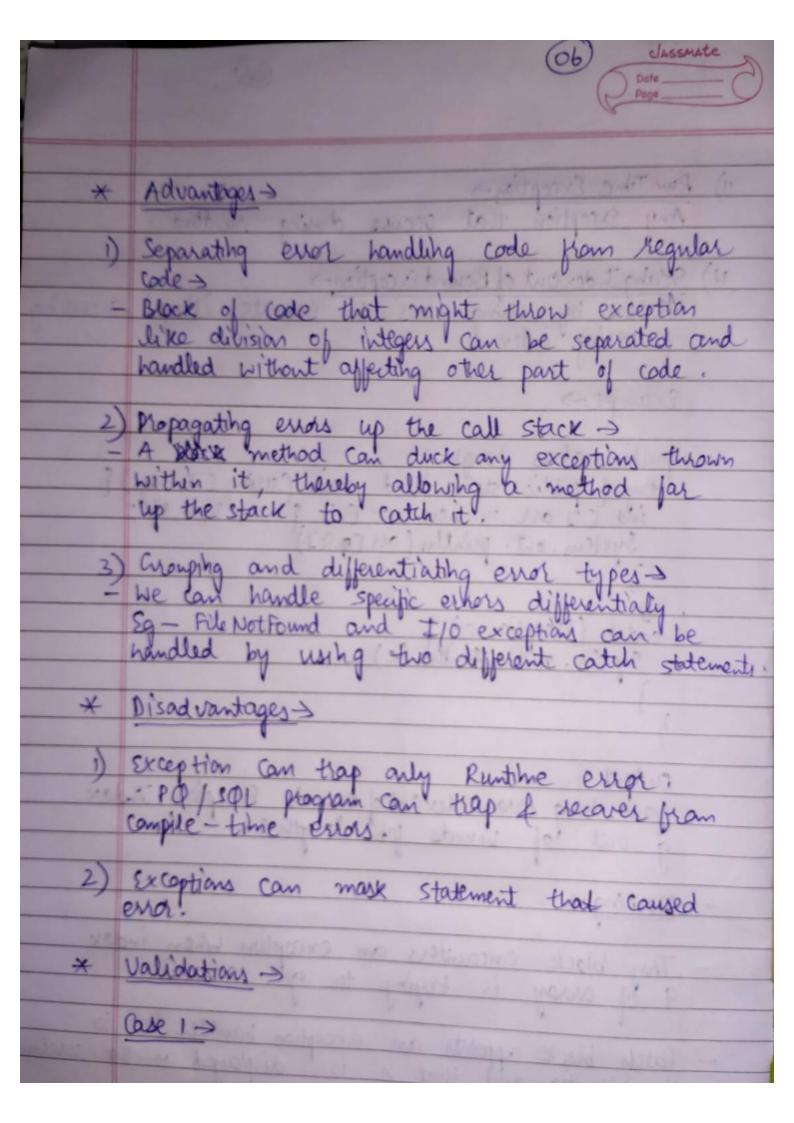
State of program where error occurled.
This list is K/a all stack as shown Method where error occured K method call Method without an Exception hander Method call Method with an K 1 Exception handler Method call The runtime system searches call stack for a method that contains a block of code that can handle exception. This block is K/a exception handler - The search begins with method in which error occurred and proceeds through call stack in reverse order in which methods Where called. When appropriate hander is found runtime system passes exception to the handler. An exception handler is considered appropriate type of exception object thrown matches type that can be handled by handler.

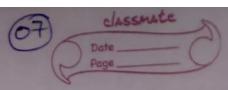






Run Time Exception > Any Exception that occurs during runtime 12) String Index out of Bound Exception > of string index. to indicate illegal accessing public class rough 5 catch (Exception e) } - System. out puntlin (e) output a silver control Java long Array Index out of Bounds Exception Index gout of bounds for lengths. \* Working > Try block encaunters an exception when index 9 of array is trying to get accessed. Catch block appoints an exception handler "e' to the situation and that e' is displayed on the displayed on the





Enter value greater than or equal to size of array, then Array Index Out of Bounds Exception is thrown. If num! num2 were not Integers, program would throw a no. format exception. Case 3 > If num 2 were zero, program would throw an arithmetic exception and display it. Case 4 ->
User enters two nos num1, num2.

Division at num1 and num2 is displayed. \* Class diagram > class division num1, num2: iht read\_n\_display(): void divide (): feat exception (): void

Imput >

Integrs for dividend 4 divisors are given as input

Dividend = 4 Pivisor = 2

output >