DATE: / PAGE NO.: UNIT-V Exception Handling: It allows to manage every without croshing program It Consist of 8 functions: comes in pain 111 Try (2) Throw) (3) Catch) detects Cotes the provide with exception exception Signal Mout handle it exception (v) Syntax throw exception; Catch (1 & X int age = 21. if (age > = 18) 2 Cout << 4 Eligible"; 3 else & can also throw customised (throw)(age); 3 error i.e. we can define it Catar) (lint Nous) [1...) can also be used if try Cout << " Act Not eligible"; type not known Cout 14 " Age: " 44 Num',

1	DATE: / /
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	None: Throw type can be austomised
	tersons by exception ("customised error");
	· Mustiple cateer are used for diff types of exceptions.
	Coten () > Hourselle aut exceptions.
	° C. II.
	Re-turowing Exceptions!
	re-throwing exten inside catch box to propg. to
	re-turowing excep inside catchbox to propg. to tigher level.
	1 1 mind
	eg: - try s
	try &
	timen (); 3
	Capari) i
	Surow; 3
	Ayrow; 4
	Cately () &
	2
	A TOTAL CONTRACTOR OF THE PARTY
	Standard Exceptions: -
	4 base class
	· runtime => orcurs during prog
	· logie error 2) due to logical mistake. · out of range => out of bound elements · Invalid argument 2
	· out of range => out of bound elements
	· Invalid argument 30
	· overfrow/ underfrow
100	

DATE: / PAGE NO. : Start is try block is excep(x) is point is end throw excep , corch block , Houder 2) Templates: w function 12) class Template operates with generic data type. allow class to work with any data type. Syntax > unplate < Typename T> template < Typename T> Tada (Ta) To) for function Name 10 2 class Box, Public: I value; Box (Tval): value (Val) {} Tgetvalue (18 return value; 3 Multiple Parameter: -Tmultiply (Ta, Ub) &

Yetum a*b; Template (Typerome T) Templates can be specialized
i.e. print < char > / print < T > Non - Type Parameter + Size, Array size

DATE: / / PAGE NO.: =) Stream class :-4 handles 1/P, 0/P operations (2)1 output (1) Input (cius, istream) (cout, of stream) write data Head data Common Stream class: (1) Ifetream (>>) (2) fetream (< (3) ofstream (read + write) of p [outile ("); ... l'éfétréan infile (" example . +x+"); While (gettier (infile, live)) & outfile.is_open() 4 used to aneck if file was opened successfully outfile. close ()
4 closes file after writing infile close()
5 croses file after meading

		DATE: / /
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	fstream +	
	fotreom file " example. +x+", infout),	
	if (file is-open()) &	
	Chara line	
	cour « line; 4	
	cour « line; 3	
	file « lu 11 ·	
Billion His	fikelose (); }	
	else E	
	cont << " "; }	
	returno: 3	
	file opening Mode!	
	0	
	Otit - write mode	
		2. 12
	app -> append mode (data written est	ena)
7	binary & open in binary mode (text n	unole X J
	dividing the striking the strike	
=)	File Handling: -	
	File Stream class.	
	Opening file -	
	ifstream inputfile;	
	inputfile. Spen (" example. txt	<i>"</i>).
	checking if file open > x. E	mor Handling
	if (input-file) &. I	Binary file Handl
	coul- << "; 3 . f	ile pointer
	Reading file	
	cosing file	
	closing file	

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