Exception Handling in C++

Exceptions is any abnormal behaviour, un time ever.
They are off beat situation in your programs where your programs where your programs where your programs are propriete.

CFF provides a built in euror namelling mechanisms called exception handling, you can more early namaged serpond to lumtime eurors.

Try, Catch & Throw

- O Program statements that you want to monitor for exceptions are contained in a try block.
- The exception is caught using eateh & processed.

Syntax

Catch (type) aug) &

catch (type 2 ang) &

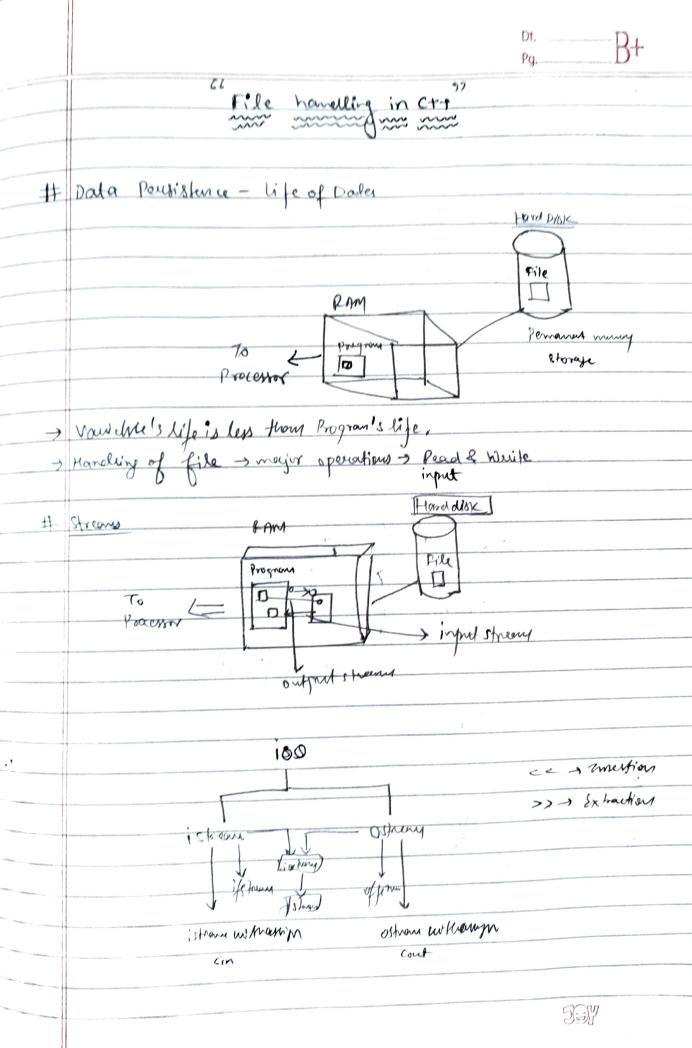
catch (type Naug) of

2		DtB+
p/5 1.	#include <iostreon></iostreon>	
	using namespace stel;	
	int main () &	
	Coutec "Welcome";	
	try {	
	throw 10;	
		•
	Cout << "In In Try";	
	catch (int e) &	*
	cout <=" In Exception no : " <	-e;,
	3	,
	contec" in last line";	
	Setel();	
	J ,	
	autout	
	Welcome	
	ExceptionNo. ~ 10	
	lantine	
	Try and catch can't enist alone bu Mora than one catches possible.	t throw com.
	Mry tuen one catches possible.	
	Stight Modification	
	rain() £	1 101 / 10 110 0) 5
	int i= 3;	catch (double e) {
	cont 22" Welcome";	cont 22 "In Exception No:"2 e 22 enoll; J
	try &	catch (int e) &
	if (i == 1) throw 1;	1 . Yha Eucenhim No!
	if (i == 2) th row 2;	ezconell; 3
_		seleh 50%
	if (i = = 3) +6 now 3;	
<u>k</u>	7 7 7	

If me want to catch any type of data than me need to nonline () in catch block in order to catch all types of date. certel (...) & If me do not mention anything affect threw keyword flows program pell terminated. If me try to put the throw Keyword invide any of which is called in try block than casel Mock will work pursuity fire.

There is no need to put the the augment mide the control block only data type int Theken are exception is caught, augment mill receive its riable.

They you don't reed across to true exception itself, specify only type in the aten clause - and is applicable. 3) Any type of data can be caught, including classes that you weater The general four of throw statement is, throw enception; Throw must be encuted either within the try block proper or from any for that wide within the block calls.



		Dt	- 5		
		Dt Pg	_B+		
0	#include &fidrano 4)				
	Hindude Marmon				
	whing manespace of d;				
	void main Og	r			
	ofstream fout;				
	foul open ("nyfile-data");				
	fort << "Hello";				
	getch(); fout · close (); getch ();	Í			
	3				
2	#include < fotocom h>				
	Hinclude Liestreon>				
	Many namespace std;				
	void main () { closer();				
	ifstreen fin; March;				
	fin open (" ny fre, date");				
	fin>>ch; -> ch = fin set();				
	while Ofin. cof ()) &				
	courtee chy				
	fin >> ch; -> ch=fin.get();				
	3,				
	fin.clon()				
	sitch();				
**	3 #4				
#/F	k Opening Modes				
12	NA N				
	108: in (Read lingut) +				
	@ ios: out (output wike) +				
	@ iver; app (append) >				
	(9) los; ate (update) +				
	(3) ios: hinary (himany) X				
		50	y		

Hindule < form "h>" ele < form in>:

| File open remains my file
| from anolds to Ram for
| operations conforming
| operations conforming
| openations conforming
| openat Pant mode up hirany mode 1) Tent invole is the default opening mod.

Binary mode can be sperified with ios: billing. # tellg()and tellp() - Defind la intraone class Posts prototype is - streampos tella ();
Returns the position of current character in the injust If include < iostneam> Hirelade a forman h) Hinchede 4 como. 4) int nein Di if stram fin; chauch;
fin. open ("abc.txt"); int gos; pas = fin. tellg();

cout << pos << endl; fin >> ch; pos = fin. tellg(); (and expos); selen(); 537

seekg - Raymont Hinlude a jostnons Hindrede L fstrem> Usy nemerpace stal; int main () { ifstream fin; fin. open (" abc. txt"); contectin. tellg(); wnt == fin. get (); fin. seekglo); tin. seekg (2, ios-bare: cur); from current position to two places cyterwards. seekp () Ofstream fout; fout open ("abc. tat", ius: ate, ias: app); (out < c fout, tellp(); fout <2 "ABCDEFOT"; cont == fout tellp(); fout · dissel); fout: Seekp (2, io) - hen!: beg);

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