Exception in C1+

- Descaption Hardlung porovides a simpler and oreliable way to:
 - 1) Report error as exceptiond events
 - 2) Tonansser Control to an exception hardler.

L> Along with information about the event

=> 9t Romploys three Keywords:

1 thora

@ Catch

3 try

Cotch () {

Thorowing

- => A throw-expression generally hastra form!

 throw expression;
- The expression's volue conveys information about the nature of the exception.

La You can throw object of portmittre types, but it's generally porterable to throw object of class types.

* Exception Classed

- ⇒ Vassions standard C++ language and library components or post errors by throwing a exception.
- => They throw only objects of types derived from a base class colled exception, defined in std header <exception)

=> The Stendard headen < stdexcrpt defines classes such as invelid-argument, out-of-snange, and overflow-emos.

L> All are derived from excrption

Stack unimiding)

> Objects on the stock one distroyed > Destruction happens in neverse order.

=> Unhardled exceptions snesult in a call to Std:: Lemminete()

> No stock unumbriding

> No destruction are Called

> Resources are potentially leaked

So you should at least home:

(atch(...) { // Catch-dl handler /*---*/

* When to Use Exceptions

D'Use exceptions for emoss that one expated to occur orando.

[As there is big performance anahrd]

- (2) Exceptions Cases that cannot be dealt with locally.
- 3) Don't use exception for things and should move happen.

* How to use Exceptions 1) Build on the Std:: exception hierarchy 2) thorow by onvolve 3) Calch by onfenerce