Ch 16

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explanation

Cout << "Trying to divide " << e << " by zero. In";

try block Code to attempt that may have errors in it throw statement integer argument for example Can throw any datatype invokes exception handlet catch block paran that matches throw type handles the exception Catch black is not a function cannot call catch(1) only invoked via throw catch block is skipped if throw is not alled Difference from if-else statement value can be passed to catch no value can be passed to else example used program parameter but can be any value as soon as thrown seen, rest of Code is stopped - in if stant, whole black executes Basic guidelines try is followed by catch catch applies only to previous try after catch, code continues on w/ stats after catch

Exception Classes

cout c 3 return O; 3

can throw throw list: throw (Exception 1, Exception 2, ...); has all exceptions that can be Caught outside function body throw (); // no external catches w/o exception specification all exceptions can be thrown if exception thrown that isn't in list can be caught with body of function if not caught, program exids 16.2 Techniques for Exception Handling When to Throw when cannot be handled another way when more info than local vars needs to be pussed to exception handler handling depends on how & where the function is used (eglocation of the function call) Automatic Throws by System throws done by C++ libraries Out of Memory - bad-alloc / Note: new Standard. Not all 11 compilers support try 5 Wode # = new Nodej ? catch (bad-alloc)

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