Exception Handling in C++

Talk to a Teacher
http://spoken-tutorial.org
National Mission on Education through ICT
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Learning Objectives



Learning Objectives

Exception Handling



Learning Objectives

- Exception Handling
- ► Through an example



System Requirements



System Requirements

► Ubuntu OS v. 11.10



System Requirements

- ▶ Ubuntu OS v. 11.10
- ▶ g++ Compiler v. 4.6.1



Introduction to Exception



Introduction to Exception

An exception is a problem that arises during the execution of a program



Introduction to Exception

- An exception is a problem that arises during the execution of a program
- ▶ It is a run-time error that a program may detect





► The response given to the problems occured during the execution of the program



- The response given to the problems occured during the execution of the program
- Exception handling allows program to continue execution



- The response given to the problems occured during the execution of the program
- Exception handling allows program to continue execution
- Helps identifying the problem



- The response given to the problems occured during the execution of the program
- Exception handling allows program to continue execution
- Helps identifying the problem
- ► Terminates the program in a controlled manner



► try



- try
- catch



- ▶ try
- catch
- ▶ throw



Syntax



Syntax

```
throw:
  try
               //try blocks starts
               //try block ends
  catch (arg)
               //catch block starts
               //catch block ends
```

Summary

- Exception Handling
- ▶ try
- catch
- ▶ throw



Assignment

- Display the age of employees
- ► Throw an exception to check that the age is not less than 15
- Now try to execute the same program by removing the try-catch block



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org /What_is_a_Spoken_Tutorial
- ▶ It summarises the Spoken Tutorial project



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