Exception Handling

Logic error-

The logic error occurs due to poor understanding of the problem and solution procedure.

Syntactic error-

The syntactic errors arise due to poor understanding of language itself.

Exceptions-

Exceptions are run time anomalies or unusual conditions that a program may encounter while execution.

Exception Handling-

The purpose of the exception handling mechanism is to provide means to detect and report an “exceptional circumstance” so that appropriate action can be taken.

The mechanism suggests a separate error handling code that performs the following tasks:

1. Find the problem (Hit the exception)

2. Inform that an error has occurred (Throw the exception)

3. Receive the error information (Catch the exception)

4. Take corrective actions (Handle the exception)

C++ exception handling mechanism is basically built upon three keyword: try, throw, and catch.