Aim: Greate, debug and sun java programs based on exception handling.

flowchaut: START heate object of Scanner class Input user name Execute try block Ignore remaining try block Ignore Catch block Execute catch block Execute Finally Output Nome

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Aim: Greate, debug and execute our java programs based on exception handling.

Theory:

What is exception handling?

- handle sum the suntime everys so that the normal flow of the application can be maintained.
 - · An exception is a conditi condition that is caused by a sun-time error in the program.
 - when the Java interpretor encounters an error such as dividing an integer by zero, it creates an Exception object and throws it (i.e. informs us that an exper has occurred).
- · What tasks does the everor handling code perform:
- > 1. Find the problem (Hit the exception)
 - 2. Inform that an exercise has occurred (Throw the exception).
 - 3. Recieve the exercy information ((atch the exception)
 - 4. Take the corrective actions (Handle the exception).
- · What are the types of exception?
- 1) Checked Exception
 - 17 Unchecked Exception
 - 1) Checked Exception:

These exceptions are explicitly handled in the Code itself with the help of try-satch

block. Checked exceptions are extended From the java lang Exception class 2) Unchecked Exceptions These exceptions are not essentially handled in the program code; instead the JVM handles such exceptions. · Unchecked exceptions are extended from the java. lang. RunTime Ex--ceptions. · Syntax: try & Statement (s); 3 catch (Exception e) } Statement (5); 3 Ecation Finally & Statement (s);

Conclusion: Hence, I learn't about the concept of exception handling. I also created, debugged and executed javo programs based on exception handling.