Demoistrating Exception handling in exception houdling. The program should take two integers as input and perform division. Implement exception hardling for division by zero and other potential exceptions. Display the appropriate error messages for each To demonstrate exception hondling technique in Java by using a try-cotch block to hondle toutime errors such as division

Spicitive!

To orderstand how exception handling
works in the Acousting Works in Jora Pspecifically for Lordling division by kero and enerse the Program does not cross at order

Fragrow. import javo. util . Sconner: public class Exceptional Hondling Example? public des static rold main (string crays) p Bearner Se: Lew Searner (Eysters. in). int none, nom 2; Byston. out. gritle (" Enter Piret comber"); nomis Scherethot (); Fysten. out. priedle ("Feter 22d Number"); numz = sc nextont (): int result Exual/hours; System.out.printle ("Result:" + result); 3 cotch (Arthmetic exception e) { Byeten od printle ("Error: Division by zero is not oflowed"): I cotch (Exception e) Pystem. aut. printle (AL error occured" +e.
get Message ()); } Prolle Byeten. out. printle ("This block always execute"):

Test cases :-Test care 1:-+> Test Name: Division by zero. -> Report :- First number = 10, Second humber > Expected result: - Esser Message" Dirisien by zero is not allowed! -> Actual result: Firor rescage "Division by

zero is Not allowed" -> Pass | Fail :- Pass Treet case: 2: - Test come! - Volid División. - Input :- Diet comper = 10 | Englinger = 5 -> tapected result: " Perult: 5 - Actual result :- " Result! 5 -7 Pass | Fail 1/ Pass. Trust case 3 !--> Test name! - Throlid input

\*\*Input: pet number: "abe" 2 minber = 2

-> Expected result: - Error " An error or For input string "obe"

Actual result! - Error "An error occurred

For input string: "obe"

Poss / Fail: Pass.

This program demonstrates the use of exception handling in Jova, specifically for handling runtime errors such as division by zero. The try cotch block are ensures the program doesn't crash when an exception occurs & the finally black executes regardless of wheather an exception was thrown.