2011/2024 write a program that demonstrates handling of exception and derived class called son' which extends the base class. In Father class, implement a constructor which takes the age of and throws the exception wrong Age () when the input age to . In Son class, implement a constructor that cases both futher and gon's age and throws an exception if son's age >= father's age. class brong Age extends Exception Wrong Age (String 5) 2 super (s); Pomport d'ava-util. Scannes. system substitute in a class Father int age; Beanner scan= new Scanner (System.in); Father () throws Wrong Age System. out. printle ("Enter Father's age :4). age = scan. neut Int (); in Cage < 0) throw new wrong Age ("Age commot be negative.");

import java-util. Scanner h all of all tent class son extends father 1 int sonage; Scanner scan = der Scanner (system.in); Son () through Wrong Age of (sonage rage) throw numberong Age (" Son's age cannot be great thom lather's age."). public void display() System. out- priville ("Father's age: "1+ eigely System-out-printle ("son's age: " + songe) System. out. printle ("sneha N shartri- 1842225201 bissoutist () is clas Age Main public etatic void main Ching ay [] throws Exception Son s= new Son ();

schock!); (display()) output: forter father's age: Enter son's age: Exception in thread "main" wrong Age - Son's age connot be greater than father's age. Enter father's age: Exception in thread " main " Wrong Age. Age cannot be negative futu father's age: Enter son's age: "main" bronglige: Age cannot Exception in thread be regative MILITA Enter father's ago: luter 80n's age: Father's age: 50 for 's age: 20 Sucha N Shastri - 1BM 22 CS 283