& Create father class and a Son class extending father class with appropriate exceptions > impost fovo util Scanner; class WrongAge extends Exception public WrongAge (Storing message) & Super (message); class Father & int fatherAge; public Father (int father Age) throws Wrong Ag Pf (father Age 60) { throw new DrongAge ("Age connot be negative "); }. this father Age = father Age; class Son extends father { and SonAge; public Son (Put father Age, Port Son Age) throws brong Age & try Super (father Age); } ed (wrong Age a) { system out points [Wrong father's age

of (SonAge > = jather Age) thorns new wrongAge (1500's age must be less don Pather's age); this. Son Age = son Age; public class fatherson f public static void main (stoling () args) Scanner se : new Scanner (System : 9n); System, out printly (" Enter father's age and Son's age); Int Saz Sc. next Int (); Ent sa = gc. nextInt ()5. toy & Son s = nav Son (to, sa); System. out. points ("Rather's age : + S-fathe System. out. préntln ("Son's age: " S. Sons Age) catch (wrong Age e) ? System. out println ("Error" + e-get message

Algorithm Stard Careate Warngage dais extending exception Class Pass the message from this wrongage closs to the main exception class Corente father class and throw this exception when father's age is loss than o Create son's class extending father's as class check Son's age is greater than father's age "if yes throw wrong Age Create main function, enter the user Input values for Son's and father's age. Chekk for conditions and point the values of son's and father's age output Enter father's age and son's age: Father's age: 22 Son's age: 6

a Woste a program which creates 2 threads one thread displaying " Bris college of inserving" and the second thread displaying "CSE" every Algorithm Create a class A extending Throad Create a constructor A where set tien and maximum time limit as time= 100000 Now croute a own & method which portness BriscE and increase to by 10000 Create a class B extending Throad Create constructor B Set t2 = 0 and max time 19m9+ 05 timez 20000 mspc Now Create run method prenting and increase to by 2000 Inside the main function create 2 threads one of each dars and the threads Stop

class A extending Thread & Port +1=0; Int time 1 = 100000; public void run () { while (+14=+9me) & System. out. printin (" BMS Collège of Engineering 4) Sloop (10000); catch (Exception e) System out pointln (" e-get Message (close B extending Thread 9nd t2 = 0; Int +1m2 = 20000;

public void orun) while (+2 L= time2) System. out. prontin ("CSF"); Steep (2000); Codch (Interoupted Exception e) System. out. printly (* e. getmessage() t2+=2000; publi class Demo public static void main (String args ()) A new A () . start (); new B(), Stost(); 7 OUTPUT Brase E CSE CSE CSE CSE CSE BMSCE CSE CSE CSE CSE CSE BNASCE BM SCE BMSCE BMSCE BMSCE BMSCE Brusce

```
C:\Users\STUDENT\Desktop\1bm22cs029>javac demo.java
```

```
C:\Users\STUDENT\Desktop\1bm22cs029>java demo
Akshara.Singa
1BM22CS029
BMS COLLEGE OF ENGINEERING
62 H
CSE
CSE
CSE
CSE
BMS COLLEGE OF ENGINEERING
ESE
CSE
CSE
62 E
GSIE
BMS COLLEGE OF ENGINEERING
CSE
BMS COLLEGE OF ENGINEERING
BMS COLLEGE OF
               ENGINEERING
BMS COLLEGE OF ENGINEERING
BMS COLLEGE OF ENGINEERING
```

```
C:\Users\STUDENT\Desktop\1bm22cs029>java fatherson
Akshara Singa
1BM22CS029
Enter father's age and son's age:
777
П
Father's age: 22
Son's age: 6
C:\Users\STUDENT\Desktop\1bm22cs029>javac fatherson.java
C:\Users\STUDENT\Desktop\1bm22cs029>java fatherson
Akshara Singa
1BM22CS029
Enter father's age and son's age:
920
E
Error: Son's age must be less than Father's age
C:\Users\STUDENT\Desktop\1bm22cs029>javac fatherson.java
C:\Users\STUDENT\Desktop\1bm22cs029>java fatherson
Akshara Singa
1BM22CS029
Enter father's age and son's age:
#(1)
77
Error: Age cannot be negative
```